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# EXAMPLES IN ARITHMETIC.

PART I.



EXAMPLES  
IN  
ARITHMETIC.

BY  
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LATE OF TAMWORTH GRAMMAR SCHOOL;  
AUTHOR OF "THE PUPIL TEACHER'S HANDBOOK, &c."

PART I.

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AND NEW YORK.  
1894

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## PREFACE.

THE object of the present work is to supply a series of carefully graduated exercises to supplement oral instruction in Arithmetic. For this purpose it has been arranged in two parts.

The first part, which embraces the whole of the rules of Arithmetic, consists of (*a*) a series of purely mechanical exercises arranged under each rule. These are designed to follow immediately after the explanation of a rule by the teacher, their leading aim being to give familiarity with the method employed in working the rule and to promote quickness and accuracy. Perhaps the most effective manner of using these exercises is to dictate them to the class for collective competition. They are followed in each instance by (*b*) a series of examples in the form of questions, for individual work, intended to excite thought and lead the pupil to discover the practical application of the rule in the solution of problems.

The second part contains a number of miscellaneous examples arranged as Examination Papers, gradually increasing in difficulty, which may be used to test the pupil's progress at any stage of his work.

The whole of the Exercises are original.

Much care has been taken to ensure the accuracy of the Answers, but in a collection of more than 7200 examples it is possible some errors may have escaped notice. The Author will feel grateful for having his attention called to them.

The long addition exercises in the simple and compound rules, as well as the other examples in the earlier rules, may be used occasionally with advantage by the advanced student who wishes to become quick and accurate in his work, and will be found of especial value to those who are preparing for the Civil Service Examinations. Every endeavour has been used throughout to give the work a thoroughly practical character, and to make it as complete as possible.

TAMWORTH, Oct. 1879.

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## ARITHMETICAL TABLES.

| Twice   | 3 times | 4 times | 5 times | 6 times | 7 times |
|---------|---------|---------|---------|---------|---------|
| 1 = 2   | 1 = 3   | 1 = 4   | 1 = 5   | 1 = 6   | 1 = 7   |
| 2 = 4   | 2 = 6   | 2 = 8   | 2 = 10  | 2 = 12  | 2 = 14  |
| 3 = 6   | 3 = 9   | 3 = 12  | 3 = 15  | 3 = 18  | 3 = 21  |
| 4 = 8   | 4 = 12  | 4 = 16  | 4 = 20  | 4 = 24  | 4 = 28  |
| 5 = 10  | 5 = 15  | 5 = 20  | 5 = 25  | 5 = 30  | 5 = 35  |
| 6 = 12  | 6 = 18  | 6 = 24  | 6 = 30  | 6 = 36  | 6 = 42  |
| 7 = 14  | 7 = 21  | 7 = 28  | 7 = 35  | 7 = 42  | 7 = 49  |
| 8 = 16  | 8 = 24  | 8 = 32  | 8 = 40  | 8 = 48  | 8 = 56  |
| 9 = 18  | 9 = 27  | 9 = 36  | 9 = 45  | 9 = 54  | 9 = 63  |
| 10 = 20 | 10 = 30 | 10 = 40 | 10 = 50 | 10 = 60 | 10 = 70 |
| 11 = 22 | 11 = 33 | 11 = 44 | 11 = 55 | 11 = 66 | 11 = 77 |
| 12 = 24 | 12 = 36 | 12 = 48 | 12 = 60 | 12 = 72 | 12 = 84 |

  

| 8 times | 9 times  | 10 times | 11 times | 12 times |
|---------|----------|----------|----------|----------|
| 1 = 8   | 1 = 9    | 1 = 10   | 1 = 11   | 1 = 12   |
| 2 = 16  | 2 = 18   | 2 = 20   | 2 = 22   | 2 = 24   |
| 3 = 24  | 3 = 27   | 3 = 30   | 3 = 33   | 3 = 36   |
| 4 = 32  | 4 = 36   | 4 = 40   | 4 = 44   | 4 = 48   |
| 5 = 40  | 5 = 45   | 5 = 50   | 5 = 55   | 5 = 60   |
| 6 = 48  | 6 = 54   | 6 = 60   | 6 = 66   | 6 = 72   |
| 7 = 56  | 7 = 63   | 7 = 70   | 7 = 77   | 7 = 84   |
| 8 = 64  | 8 = 72   | 8 = 80   | 8 = 88   | 8 = 96   |
| 9 = 72  | 9 = 81   | 9 = 90   | 9 = 99   | 9 = 108  |
| 10 = 80 | 10 = 90  | 10 = 100 | 10 = 110 | 10 = 120 |
| 11 = 88 | 11 = 99  | 11 = 110 | 11 = 121 | 11 = 132 |
| 12 = 96 | 12 = 108 | 12 = 120 | 12 = 132 | 12 = 144 |

### MONEY TABLE.

|                        |                        |
|------------------------|------------------------|
| 12 pence = 1 shilling  | 70 pence = 5 shillings |
| 20 " = 1 " 8 "         | 72 " = 6 " 0 "         |
| 24 " = 2 shillings 0 " | 80 " = 6 " 8 "         |
| 30 " = 2 " 6 "         | 84 " = 7 " 0 "         |
| 36 " = 3 " 0 "         | 90 " = 7 " 6 "         |
| 40 " = 3 " 4 "         | 96 " = 8 " 0 "         |
| 48 " = 4 " 0 "         | 100 " = 8 " 4 "        |
| 50 " = 4 " 2 "         | 108 " = 9 " 0 "        |
| 60 " = 5 " 0 "         | 120 " = 10 " 0 "       |

4 farthings make 1 penny (*d.*)  
 12 pence " 1 shilling (*s.*)  
 20 shillings }  
 240 pence } " 1 pound (£)  
 960 farthings }

## AVOIRDUPOIS WEIGHT.

|                 |                          |
|-----------------|--------------------------|
| 16 drams (drs.) | = 1 ounce (oz.)          |
| 16 ounces       | = 1 pound (lb.)          |
| 28 lbs.         | = 1 quarter (qr.)        |
| 4 qrs.          | = 1 hundredweight (cwt.) |
| 20 cwts.        | = 1 ton                  |

|            |            |
|------------|------------|
| 14 lbs.    | = 1 stone  |
| 112 lbs.   | } = 1 cwt. |
| 8 stones   |            |
| 2240 lbs.  | } = 1 ton  |
| 160 stones |            |

## TROY WEIGHT.

|           |                           |
|-----------|---------------------------|
| 24 grains | make 1 pennyweight (dwt.) |
| 20 dwt.   | „ 1 ounce                 |
| 12 ozs.   | „ 1 lb.                   |

7000 Troy Grains = 1 lb. Avoir.

## APOTHECARIES' WEIGHT.

|            |                |
|------------|----------------|
| 20 grains  | make 1 scruple |
| 3 scruples | „ 1 dram       |
| 8 drams    | „ 1 ounce      |
| 12 ounces  | „ 1 lb.        |

The lb. Troy and the lb. Apoth. are of the same weight—both contain 5760 grains.

## MEASURE OF LENGTH.

|            |             |
|------------|-------------|
| 12 inches  | = 1 foot    |
| 3 feet     | = 1 yard    |
| 5½ yards   | = 1 pole    |
| 40 poles   | = 1 furlong |
| 8 furlongs | = 1 mile    |
| -----      |             |
| 4 inches   | = 1 hand    |
| 36 inches  | = 1 yard    |
| 6 feet     | = 1 fathom  |
| 22 yards   | = 1 chain   |
| 220 yards  | = 1 furlong |
| 1760 yards | = 1 mile    |
| 80 chains  | = 1 mile    |

|           |             |
|-----------|-------------|
| 2½ inches | = 1 nail    |
| 4 nails   | = 1 quarter |
| 4 qrs.    | = 1 yard    |
| 5 qrs.    | = 1 ell     |

Used in measuring cloth.

## MEASURE OF SURFACE.

|                |                   |
|----------------|-------------------|
| 144 square in. | = 1 sq. foot      |
| 9 sq. ft.      | = 1 sq. yd.       |
| 30¼ sq. yds.   | = 1 pole or perch |
| 40 poles       | = 1 rood          |
| 4 roods        | = 1 acre          |
| 640 acres      | = 1 s. mile       |

|                  |           |
|------------------|-----------|
| 100000 sq. links | } = 1 ac. |
| 10 sq. chains    |           |
| 4840 sq. yards   |           |

## MEASURE OF TIME.

|            |            |
|------------|------------|
| 60 seconds | = 1 minute |
| 60 min.    | = 1 hour   |
| 24 hours   | = 1 day    |
| 7 days     | = 1 week   |
| 365 days   | = 1 year   |

## MEASURE OF SOLIDITY.

|                |              |
|----------------|--------------|
| 1728 cubic in. | = 1 cub. ft. |
| 27 cub. ft.    | = 1 cub. yd. |

## MEASURE OF CAPACITY.

|                        |             |
|------------------------|-------------|
| 2 gills or 4 quarterns | } = 1 pint  |
| 2 pints                |             |
| 2 pints                | = 1 quart   |
| 4 quarts               | = 1 gallon  |
| 2 gallons              | = 1 peck    |
| 4 pecks                | = 1 bushel  |
| 8 bushels              | = 1 quarter |
| 5 qrs.                 | = 1 load    |

|            |                    |
|------------|--------------------|
| 3 bushels  | = 1 sack           |
| 2 bushels  | = 1 boll           |
| 36 gallons | = 1 barrel of beer |
| 63 gallons | = 1 hhd. of wine   |
| 2 hhd.     | = 1 pipe           |

## SIMPLE ADDITION.

| (1)  | (2)  | (3)  | (4)  | (5)  | (6)  | (7)  | (8)  | (9)  | (10) |
|------|------|------|------|------|------|------|------|------|------|
| 296  | 707  | 511  | 119  | 754  | 926  | 479  | 302  | 906  | 599  |
| 318  | 770  | 729  | 594  | 386  | 218  | 629  | 420  | 729  | 444  |
| 246  | 777  | 856  | 376  | 924  | 377  | 329  | 522  | 318  | 726  |
| 372  | 696  | 963  | 829  | 373  | 964  | 719  | 716  | 294  | 813  |
| 964  | 804  | 717  | 674  | 869  | 419  | 599  | 968  | 316  | 968  |
| 327  | 593  | 692  | 315  | 719  | 527  | 698  | 725  | 928  | 946  |
| 946  | 123  | 314  | 968  | 694  | 619  | 398  | 368  | 372  | 926  |
| 519  | 456  | 721  | 376  | 598  | 328  | 498  | 724  | 928  | 813  |
| 239  | 789  | 816  | 945  | 729  | 726  | 727  | 976  | 372  | 726  |
| 518  | 987  | 928  | 618  | 618  | 495  | 777  | 816  | 316  | 846  |
| 929  | 546  | 576  | 726  | 726  | 727  | 667  | 946  | 594  | 929  |
| 373  | 312  | 924  | 918  | 915  | 816  | 766  | 729  | 726  | 616  |
| 409  | 407  | 714  | 109  | 112  | 916  | 866  | 318  | 813  | 728  |
| 508  | 692  | 316  | 296  | 239  | 515  | 567  | 776  | 999  | 444  |
|      |      |      |      |      |      |      |      |      |      |
| (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| 294  | 909  | 707  | 906  | 742  | 906  | 906  | 928  | 992  | 927  |
| 519  | 99   | 29   | 57   | 804  | 98   | 15   | 976  | 181  | 315  |
| 327  | 276  | 77   | 985  | 112  | 728  | 726  | 543  | 296  | 96   |
| 338  | 5    | 209  | 79   | 92   | 507  | 37   | 21   | 315  | 609  |
| 969  | 72   | 56   | 159  | 118  | 96   | 296  | 987  | 929  | 78   |
| 572  | 906  | 795  | 78   | 73   | 726  | 57   | 654  | 376  | 596  |
| 694  | 98   | 88   | 335  | 109  | 17   | 209  | 32   | 906  | 87   |
| 518  | 57   | 769  | 567  | 51   | 209  | 19   | 105  | 572  | 697  |
| 729  | 159  | 584  | 769  | 906  | 92   | 567  | 719  | 969  | 376  |
| 694  | 68   | 72   | 835  | 38   | 290  | 69   | 15   | 707  | 906  |
| 592  | 725  | 707  | 946  | 736  | 76   | 385  | 150  | 169  | 57   |
| 718  | 69   | 98   | 718  | 109  | 99   | 156  | 312  | 318  | 209  |
| 994  | 70   | 109  | 81   | 21   | 286  | 729  | 792  | 229  | 58   |
| 576  | 430  | 558  | 108  | 746  | 73   | 115  | 186  | 156  | 196  |

| (21) | (22) | (23) | (24) | (25) | (26) | (27) | (28) |
|------|------|------|------|------|------|------|------|
| 7903 | 8025 | 9051 | 2107 | 1096 | 7206 | 9026 | 7215 |
| 5988 | 9067 | 8007 | 3206 | 3003 | 9025 | 7219 | 8603 |
| 7966 | 5067 | 2398 | 9063 | 7967 | 8396 | 1856 | 9206 |
| 8644 | 3815 | 7916 | 8025 | 8296 | 7215 | 1876 | 5946 |
| 3716 | 9295 | 5998 | 9206 | 3915 | 9604 | 9215 | 7003 |
| 9215 | 7963 | 7946 | 3058 | 7968 | 3726 | 3734 | 1596 |
| 9284 | 8435 | 3021 | 7021 | 5969 | 9063 | 1009 | 7002 |
| 7107 | 9219 | 8969 | 9086 | 8725 | 7158 | 2100 | 3019 |
| 5006 | 8072 | 8729 | 5721 | 9683 | 3102 | 7200 | 7156 |
| 7913 | 9586 | 9569 | 3102 | 7025 | 2002 | 6999 | 9208 |
| 8015 | 9989 | 7219 | 8607 | 8967 | 7206 | 9989 | 3107 |
| 7908 | 7025 | 5968 | 2906 | 9213 | 9608 | 7095 | 8828 |
| 3728 | 8694 | 7216 | 3106 | 3596 | 3728 | 7683 | 9987 |
| 5969 | 7021 | 5585 | 8207 | 7007 | 1559 | 9215 | 9195 |

| (29) | (30) | (31) | (32) | (33) | (34) | (35) | (36) |
|------|------|------|------|------|------|------|------|
| 9067 | 3796 | 207  | 5964 | 2001 | 9002 | 5906 | 7206 |
| 569  | 109  | 3709 | 7216 | 786  | 2071 | 909  | 3721 |
| 3021 | 2906 | 9216 | 9608 | 2907 | 5968 | 9909 | 594  |
| 795  | 7096 | 896  | 3916 | 726  | 7219 | 9999 | 9076 |
| 808  | 9006 | 7219 | 7213 | 3015 | 3968 | 8888 | 586  |
| 996  | 5960 | 3003 | 9065 | 990  | 7965 | 7777 | 9211 |
| 5092 | 7021 | 2916 | 7213 | 7203 | 8219 | 6666 | 679  |
| 7906 | 9117 | 707  | 906  | 596  | 2007 | 5566 | 3819 |
| 769  | 9009 | 9061 | 7908 | 9603 | 956  | 7766 | 9021 |
| 596  | 3967 | 729  | 5968 | 729  | 7029 | 9085 | 5960 |
| 7021 | 1509 | 3969 | 7213 | 1901 | 596  | 703  | 372  |
| 906  | 62   | 501  | 900  | 729  | 7968 | 37   | 9021 |
| 5986 | 384  | 15   | 7906 | 839  | 707  | 5921 | 717  |
| 509  | 1955 | 7026 | 512  | 8879 | 1906 | 629  | 8642 |

| (37)  | (38)  | (39)  | (40)  | (41)  | (42)  | (43)  |
|-------|-------|-------|-------|-------|-------|-------|
| 29061 | 50216 | 29113 | 39061 | 12345 | 96044 | 90216 |
| 70635 | 79613 | 7029  | 72096 | 67891 | 3726  | 3729  |
| 92186 | 80156 | 69031 | 59185 | 23456 | 96921 | 87268 |
| 59147 | 7007  | 79163 | 72096 | 78912 | 72156 | 5946  |
| 99081 | 30916 | 80217 | 3095  | 34567 | 9213  | 39472 |
| 79698 | 50911 | 9056  | 69002 | 89123 | 87215 | 8692  |
| 39091 | 72196 | 89215 | 7358  | 45678 | 9061  | 50012 |
| 87296 | 39167 | 90061 | 92015 | 91234 | 70123 | 7916  |
| 99896 | 9026  | 7213  | 8017  | 56789 | 9686  | 38194 |
| 79684 | 90766 | 98175 | 29163 | 1237  | 500   | 7968  |
| 59607 | 9667  | 3007  | 7215  | 86041 | 72156 | 90917 |
| 79061 | 39286 | 90216 | 96003 | 86139 | 33363 | 3968  |
| 59692 | 99081 | 72136 | 7215  | 71031 | 59081 | 79586 |
| 79683 | 7296  | 9021  | 27568 | 6944  | 7216  | 9981  |

| (44)  | (45)  | (46)  | (47)  | (48)  | (49)  | (50)  |
|-------|-------|-------|-------|-------|-------|-------|
| 29137 | 90716 | 70140 | 40317 | 40211 | 20191 | 23946 |
| 59038 | 3824  | 92382 | 9856  | 70130 | 79386 | 5916  |
| 29537 | 96864 | 90368 | 47256 | 9035  | 59406 | 872   |
| 90613 | 72196 | 59376 | 89666 | 79032 | 39601 | 96    |
| 96928 | 39185 | 90213 | 37694 | 80965 | 89063 | 906   |
| 57216 | 96072 | 76384 | 59465 | 79632 | 79158 | 5986  |
| 90317 | 38067 | 96058 | 70315 | 1560  | 9091  | 36958 |
| 20313 | 47215 | 37213 | 96018 | 96876 | 19090 | 702   |
| 69681 | 90516 | 96474 | 86219 | 94032 | 70215 | 309   |
| 72136 | 38296 | 58169 | 47206 | 5968  | 90217 | 72156 |
| 9063  | 39285 | 39467 | 96081 | 11411 | 5038  | 3159  |
| 70031 | 37216 | 29606 | 47216 | 5917  | 4715  | 86251 |
| 2931  | 90213 | 70915 | 17129 | 86928 | 9624  | 72063 |
| 59368 | 13729 | 80706 | 29615 | 37169 | 7968  | 84321 |

| (51)  | (52)  | (53)  | (54)  | (55)  | (56)  | (57)  |
|-------|-------|-------|-------|-------|-------|-------|
| 90613 | 90611 | 53546 | 72131 | 90615 | 11302 | 20917 |
| 8215  | 3712  | 9348  | 5911  | 9063  | 9031  | 9213  |
| 70206 | 87269 | 72196 | 59110 | 72136 | 8736  | 79684 |
| 9021  | 2329  | 91131 | 3146  | 9065  | 90567 | 99881 |
| 76583 | 59468 | 71316 | 39682 | 38603 | 6946  | 7216  |
| 90615 | 7206  | 9031  | 7017  | 9021  | 31146 | 93969 |
| 9216  | 38156 | 29163 | 11416 | 5959  | 90031 | 5967  |
| 82005 | 92159 | 92136 | 9023  | 57256 | 7215  | 316   |
| 1768  | 37258 | 59684 | 39673 | 3825  | 95854 | 90726 |
| 926   | 69003 | 72196 | 8692  | 96836 | 7216  | 59295 |
| 90476 | 8967  | 38194 | 38656 | 9211  | 38156 | 79694 |
| 92919 | 21131 | 79696 | 9009  | 59686 | 7213  | 30126 |
| 30515 | 7036  | 38654 | 15686 | 7213  | 9698  | 9989  |
| 7987  | 90215 | 92196 | 3721  | 9683  | 13572 | 29176 |

| (58)  | (59)  | (60)  | (61)  | (62)  | (63)  | (64)  |
|-------|-------|-------|-------|-------|-------|-------|
| 71596 | 59761 | 3     | 29101 | 70619 | 39968 | 79007 |
| 3894  | 23456 | 303   | 7903  | 2946  | 3712  | 3977  |
| 72156 | 78902 | 796   | 92136 | 30101 | 59608 | 63286 |
| 3946  | 93586 | 30330 | 8013  | 7962  | 3706  | 9025  |
| 92189 | 59606 | 90101 | 69013 | 90211 | 99816 | 73968 |
| 7156  | 38767 | 7296  | 69130 | 89999 | 7926  | 4906  |
| 90021 | 96985 | 58947 | 70223 | 78888 | 30215 | 59765 |
| 7215  | 57676 | 8011  | 19667 | 59466 | 6968  | 3807  |
| 92176 | 38969 | 72003 | 7021  | 92135 | 37215 | 796   |
| 50019 | 7944  | 72156 | 58    | 71321 | 74119 | 38216 |
| 3729  | 87265 | 9213  | 92067 | 9266  | 59296 | 9219  |
| 41326 | 90611 | 73169 | 57026 | 37219 | 27685 | 38267 |
| 39003 | 7263  | 2003  | 26026 | 5902  | 90213 | 92096 |
| 90216 | 59433 | 71001 | 26260 | 7203  | 7969  | 5948  |

## SIMPLE ADDITION.

7

| (65)      | (66)      | (67)     | (68)      | (69)     | (70)      |
|-----------|-----------|----------|-----------|----------|-----------|
| 30216917  | 72061317  | 3160031  | 700070007 | 59600311 | 150012367 |
| 219001116 | 928061115 | 721360   | 70077070  | 72031600 | 396384696 |
| 38216306  | 72903716  | 929096   | 7700700   | 39386370 | 724546697 |
| 49036305  | 9831206   | 17387387 | 999999999 | 49726176 | 2943867   |
| 9203160   | 129316060 | 6946316  | 888888888 | 38216318 | 5723016   |
| 78306009  | 372072720 | 7216084  | 777777777 | 59209792 | 3803715   |
| 178962315 | 58286082  | 5019380  | 666666666 | 38626835 | 72316115  |
| 38724116  | 9999999   | 6216026  | 555666777 | 59726032 | 99909090  |
| 9028370   | 78906320  | 38296033 | 304034340 | 38762096 | 72038370  |
| 7280300   | 572136180 | 7906009  | 209000110 | 59068389 | 59626360  |
| 1701707   | 36926310  | 11001    | 555555555 | 79011907 | 67216162  |
| 9203023   | 400040004 | 10011    | 60060600  | 38038308 | 46314217  |
| 75319019  | 35682003  | 376989   | 79386946  | 38380038 | 72003176  |
| 86326320  | 78216370  | 56357909 | 89379868  | 29299299 | 296008360 |

| (71)     | (72)      | (73)     | (74)     | (75)     | (76)    |
|----------|-----------|----------|----------|----------|---------|
| 29609721 | 312037160 | 29061131 | 31011702 | 7007070  | 9508176 |
| 1101001  | 7296380   | 79031030 | 32016163 | 57317690 | 3726196 |
| 11011110 | 59672190  | 84362138 | 87078780 | 3906005  | 8296372 |
| 29680726 | 37286390  | 92003070 | 92092092 | 57203116 | 9736156 |
| 77396580 | 99029160  | 59316370 | 9209092  | 92861315 | 8217326 |
| 49297387 | 87276387  | 1021207  | 7316007  | 75037616 | 3072007 |
| 77196176 | 58026260  | 11307000 | 8014316  | 3021212  | 5096315 |
| 96307207 | 39273716  | 9909090  | 9207116  | 5960380  | 7216038 |
| 7706726  | 476017170 | 7770007  | 8113008  | 7958115  | 8576934 |
| 77007116 | 5726003   | 5826003  | 56560056 | 9260031  | 4701235 |
| 9219029  | 6920007   | 3030330  | 10001010 | 3303003  | 6677889 |
| 5829638  | 7202031   | 9216016  | 3726038  | 7926707  | 5054040 |
| 7211011  | 5926736   | 1726318  | 5962082  | 7505414  | 7206038 |
| 7316027  | 3216026   | 3928119  | 7904036  | 4445762  | 1563281 |

| (77)    | (78)    | (79)    | (80)    | (81)    | (82)   |
|---------|---------|---------|---------|---------|--------|
| 2906096 | 209170  | 3201706 | 114014  | 1307006 | 900196 |
| 727076  | 37027   | 7021017 | 30370   | 360306  | 37295  |
| 38216   | 99016   | 9208030 | 296716  | 36789   | 11209  |
| 79116   | 576218  | 596370  | 9709790 | 1234345 | 3960   |
| 586308  | 316028  | 732117  | 8380716 | 6789012 | 7070   |
| 79031   | 404040  | 116372  | 5926073 | 3456789 | 58965  |
| 8302    | 4594604 | 387316  | 703116  | 925000  | 370037 |
| 1716504 | 762314  | 196093  | 555555  | 86007   | 58051  |
| 11100   | 807216  | 926316  | 474047  | 632108  | 99684  |
| 101011  | 999999  | 106720  | 382036  | 792607  | 55984  |
| 5201210 | 909808  | 37073   | 196096  | 657372  | 72101  |
| 726038  | 372995  | 49056   | 72063   | 7969314 | 38969  |
| 70007   | 673006  | 384968  | 59608   | 720306  | 57196  |
| 99886   | 594067  | 7216009 | 372969  | 896969  | 138285 |
| (83)    | (84)    | (85)    | (86)    | (87)    | (88)   |
| 302196  | 510051  | 40444   | 908076  | 906017  | 111011 |
| 75194   | 325686  | 37251   | 504321  | 29603   | 37209  |
| 99098   | 72980   | 99186   | 123607  | 78596   | 56006  |
| 57969   | 59066   | 3217    | 790102  | 39281   | 5606   |
| 88880   | 17095   | 9602    | 803209  | 57116   | 970    |
| 88800   | 71017   | 11904   | 576038  | 92384   | 326842 |
| 808808  | 968214  | 44444   | 38386   | 76034   | 79081  |
| 79445   | 512696  | 54843   | 139015  | 95021   | 51026  |
| 40044   | 387714  | 74945   | 78216   | 50210   | 38213  |
| 7986    | 706194  | 47896   | 102012  | 37013   | 19019  |
| 6789    | 926318  | 60636   | 36316   | 92315   | 28280  |
| 51015   | 407     | 70000   | 59063   | 96081   | 642196 |
| 10012   | 13130   | 7968    | 78779   | 79115   | 37106  |
| 9990    | 130013  | 3115    | 69446   | 80295   | 15908  |

| (89)   | (90)   | (91)   | (92)   | (93)   | (94)   |
|--------|--------|--------|--------|--------|--------|
| 123456 | 999998 | 796769 | 999999 | 927282 | 905090 |
| 234567 | 888887 | 769796 | 888888 | 292728 | 806080 |
| 345678 | 777776 | 313331 | 777777 | 393837 | 75057  |
| 456789 | 987987 | 133444 | 666666 | 939787 | 50907  |
| 567890 | 789789 | 495678 | 494765 | 839385 | 38883  |
| 678901 | 897897 | 912345 | 555555 | 721608 | 79694  |
| 789012 | 807807 | 678901 | 444444 | 30915  | 37162  |
| 890123 | 596096 | 234567 | 876829 | 800724 | 96386  |
| 777666 | 308083 | 890123 | 309176 | 92176  | 96038  |
| 999786 | 790651 | 456789 | 926179 | 83064  | 79605  |
| 70219  | 998877 | 123456 | 888888 | 71906  | 333333 |
| 59999  | 665587 | 789012 | 999999 | 38215  | 888888 |
| 89769  | 921902 | 345678 | 777777 | 11010  | 999999 |
| 99989  | 370613 | 901234 | 666666 | 38638  | 579757 |

| (95)   | (96)   | (97)   | (98)  | (99)  | (100)  |
|--------|--------|--------|-------|-------|--------|
| 306    | 390309 | 547683 | 95765 | 83978 | 201001 |
| 1739   | 73128  | 547689 | 95726 | 83979 | 73213  |
| 8647   | 57927  | 547687 | 95738 | 83980 | 96028  |
| 9284   | 66366  | 547682 | 95707 | 83955 | 79069  |
| 603169 | 59463  | 547688 | 95770 | 83076 | 59286  |
| 78283  | 72156  | 547684 | 95715 | 83979 | 86924  |
| 99099  | 38206  | 547604 | 96721 | 88975 | 794687 |
| 7958   | 573176 | 547685 | 95706 | 83974 | 808381 |
| 5626   | 92026  | 547683 | 95076 | 83973 | 92037  |
| 78364  | 88219  | 547085 | 95987 | 83968 | 59067  |
| 808139 | 57101  | 547096 | 95632 | 83962 | 11906  |
| 79016  | 96208  | 547685 | 95757 | 88964 | 72105  |
| 59723  | 137596 | 547672 | 95726 | 83963 | 87296  |
| 11811  | 39609  | 547632 | 95877 | 83964 | 38279  |

| (101) | (102) | (103) | (104) | (105) | (106) | (107) | (108) | (109) | (110) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 706   | 798   | 99    | 772   | 789   | 495   | 727   | 290   | 796   | 946   |
| 79    | 109   | 990   | 916   | 897   | 393   | 317   | 307   | 707   | 319   |
| 586   | 110   | 88    | 984   | 796   | 892   | 642   | 39    | 699   | 444   |
| 79    | 111   | 808   | 375   | 395   | 694   | 963   | 183   | 409   | 445   |
| 98    | 212   | 707   | 962   | 596   | 795   | 118   | 716   | 726   | 565   |
| 59    | 313   | 770   | 662   | 894   | 690   | 924   | 98    | 946   | 575   |
| 669   | 441   | 995   | 729   | 593   | 394   | 572   | 296   | 943   | 672   |
| 73    | 697   | 95    | 594   | 616   | 491   | 368   | 158   | 118   | 964   |
| 883   | 388   | 105   | 682   | 472   | 999   | 716   | 926   | 726   | 796   |
| 179   | 883   | 76    | 712   | 89    | 998   | 926   | 726   | 194   | 896   |
| 612   | 999   | 276   | 396   | 99    | 997   | 594   | 38    | 219   | 318   |
| 373   | 809   | 976   | 517   | 79    | 996   | 726   | 229   | 294   | 496   |
| 96    | 921   | 367   | 662   | 169   | 697   | 316   | 115   | 684   | 319   |
| 196   | 37    | 69    | 374   | 712   | 687   | 404   | 764   | 729   | 726   |
| 372   | 596   | 294   | 695   | 69    | 689   | 592   | 924   | 694   | 118   |
| 38    | 872   | 316   | 712   | 187   | 789   | 663   | 116   | 518   | 986   |
| 139   | 969   | 425   | 392   | 305   | 881   | 795   | 338   | 729   | 729   |
| 176   | 368   | 926   | 118   | 709   | 551   | 675   | 94    | 363   | 119   |
| 960   | 712   | 318   | 981   | 696   | 595   | 886   | 77    | 763   | 316   |
| 609   | 446   | 172   | 641   | 318   | 896   | 885   | 78    | 963   | 447   |
| 69    | 588   | 316   | 512   | 44    | 792   | 999   | 97    | 868   | 772   |
| 172   | 992   | 294   | 376   | 644   | 835   | 776   | 69    | 555   | 116   |
| 38    | 105   | 435   | 945   | 533   | 990   | 676   | 369   | 955   | 95    |
| 193   | 79    | 717   | 702   | 838   | 909   | 388   | 373   | 666   | 184   |
| 69    | 87    | 694   | 119   | 833   | 99    | 969   | 118   | 767   | 69    |
| 79    | 66    | 316   | 107   | 722   | 90    | 59    | 98    | 897   | 37    |
| 83    | 339   | 929   | 67    | 999   | 296   | 79    | 79    | 678   | 139   |
| 75    | 57    | 516   | 89    | 795   | 597   | 185   | 156   | 318   | 78    |

| (111) | (112) | (113) | (114) | (115) | (116) | (117) | (118) | (119) | (120) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 909   | 694   | 929   | 729   | 138   | 887   | 139   | 992   | 907   | 929   |
| 998   | 714   | 717   | 813   | 78    | 787   | 319   | 998   | 796   | 379   |
| 808   | 816   | 968   | 906   | 59    | 696   | 999   | 899   | 384   | 869   |
| 796   | 928   | 312   | 312   | 969   | 314   | 878   | 897   | 596   | 575   |
| 395   | 337   | 878   | 94    | 78    | 928   | 779   | 798   | 397   | 696   |
| 807   | 516   | 96    | 49    | 39    | 337   | 699   | 397   | 308   | 387   |
| 87    | 926   | 996   | 185   | 67    | 644   | 597   | 596   | 929   | 496   |
| 905   | 842   | 78    | 581   | 367   | 708   | 317   | 998   | 318   | 713   |
| 95    | 116   | 994   | 80    | 78    | 69    | 696   | 908   | 726   | 964   |
| 59    | 95    | 37    | 35    | 59    | 960   | 802   | 809   | 316   | 372   |
| 786   | 187   | 109   | 729   | 499   | 609   | 109   | 929   | 929   | 864   |
| 312   | 117   | 318   | 69    | 38    | 57    | 307   | 595   | 363   | 926   |
| 111   | 71    | 556   | 726   | 73    | 381   | 37    | 597   | 943   | 318   |
| 901   | 365   | 109   | 647   | 195   | 996   | 496   | 795   | 729   | 726   |
| 109   | 381   | 229   | 786   | 703   | 189   | 595   | 705   | 684   | 839   |
| 91    | 701   | 317   | 969   | 370   | 317   | 96    | 832   | 946   | 436   |
| 726   | 71    | 187   | 384   | 59    | 594   | 37    | 726   | 316   | 707   |
| 38    | 98    | 212   | 596   | 778   | 386   | 139   | 962   | 928   | 796   |
| 380   | 98    | 960   | 862   | 699   | 787   | 237   | 119   | 713   | 398   |
| 72    | 298   | 314   | 395   | 76    | 59    | 606   | 363   | 928   | 374   |
| 51    | 278   | 762   | 796   | 338   | 78    | 908   | 962   | 632   | 594   |
| 51    | 916   | 149   | 518   | 44    | 37    | 35    | 963   | 712   | 386   |
| 84    | 57    | 316   | 224   | 712   | 138   | 726   | 726   | 596   | 594   |
| 196   | 186   | 505   | 535   | 96    | 932   | 39    | 115   | 707   | 726   |
| 216   | 92    | 99    | 707   | 105   | 624   | 38    | 964   | 906   | 318   |
| 375   | 319   | 88    | 999   | 115   | 719   | 137   | 74    | 726   | 229   |
| 804   | 44    | 77    | 77    | 91    | 594   | 216   | 88    | 829   | 235   |
| 59    | 586   | 606   | 93    | 87    | 732   | 260   | 77    | 119   | 672   |

| (121) | (122) | (123) | (124) | (125) | (126) | (127) | (128) | (129) | (130) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 306   | 296   | 394   | 726   | 694   | 926   | 929   | 596   | 709   | 909   |
| 192   | 718   | 706   | 990   | 713   | 103   | 713   | 312   | 390   | 999   |
| 219   | 328   | 387   | 999   | 927   | 79    | 694   | 414   | 490   | 596   |
| 796   | 694   | 519   | 337   | 614   | 69    | 316   | 562   | 590   | 956   |
| 892   | 719   | 366   | 868   | 592   | 185   | 387   | 829   | 696   | 721   |
| 999   | 591   | 813   | 372   | 682   | 726   | 596   | 616   | 316   | 127   |
| 777   | 617   | 519   | 316   | 395   | 314   | 414   | 594   | 987   | 319   |
| 598   | 296   | 317   | 929   | 674   | 595   | 557   | 672   | 543   | 924   |
| 928   | 869   | 664   | 375   | 816   | 616   | 729   | 826   | 654   | 376   |
| 372   | 372   | 696   | 619   | 772   | 327   | 684   | 306   | 321   | 371   |
| 969   | 596   | 356   | 727   | 692   | 414   | 468   | 516   | 123   | 673   |
| 575   | 998   | 713   | 596   | 832   | 372   | 568   | 307   | 456   | 728   |
| 960   | 317   | 829   | 316   | 594   | 418   | 768   | 816   | 787   | 568   |
| 726   | 299   | 672   | 928   | 665   | 396   | 687   | 307   | 789   | 314   |
| 907   | 384   | 595   | 372   | 886   | 519   | 787   | 216   | 788   | 729   |
| 997   | 727   | 674   | 646   | 929   | 624   | 987   | 929   | 887   | 636   |
| 776   | 618   | 446   | 384   | 678   | 715   | 513   | 307   | 886   | 729   |
| 909   | 372   | 549   | 707   | 886   | 996   | 222   | 213   | 998   | 376   |
| 299   | 508   | 483   | 770   | 338   | 884   | 333   | 996   | 596   | 969   |
| 279   | 309   | 606   | 679   | 518   | 376   | 444   | 583   | 307   | 876   |
| 596   | 999   | 319   | 696   | 729   | 449   | 555   | 649   | 624   | 515   |
| 303   | 888   | 327   | 319   | 316   | 994   | 666   | 946   | 312   | 926   |
| 929   | 777   | 716   | 589   | 519   | 123   | 777   | 316   | 695   | 387   |
| 376   | 666   | 387   | 627   | 576   | 456   | 888   | 729   | 724   | 906   |
| 596   | 316   | 729   | 318   | 495   | 789   | 999   | 616   | 396   | 991   |
| 814   | 596   | 396   | 584   | 694   | 12    | 616   | 372   | 445   | 558   |
| 726   | 727   | 519   | 326   | 726   | 976   | 721   | 616   | 583   | 369   |
| 928   | 346   | 445   | 519   | 832   | 543   | 847   | 419   | 726   | 229   |

| (131) | (132) | (133) | (134) | (135) | (136) | (137) | (138) | (139) | (140) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 292   | 338   | 999   | 901   | 813   | 999   | 808   | 777   | 992   | 444   |
| 716   | 926   | 888   | 709   | 964   | 999   | 880   | 777   | 984   | 444   |
| 295   | 842   | 777   | 868   | 594   | 999   | 888   | 777   | 666   | 505   |
| 816   | 729   | 666   | 713   | 904   | 999   | 888   | 777   | 666   | 550   |
| 999   | 316   | 555   | 965   | 39    | 999   | 888   | 770   | 666   | 555   |
| 987   | 597   | 444   | 724   | 309   | 999   | 888   | 770   | 666   | 555   |
| 789   | 618   | 333   | 695   | 390   | 999   | 888   | 707   | 666   | 554   |
| 599   | 229   | 222   | 882   | 703   | 999   | 788   | 77    | 666   | 565   |
| 366   | 336   | 111   | 228   | 37    | 909   | 780   | 777   | 763   | 575   |
| 376   | 418   | 595   | 375   | 73    | 990   | 708   | 77    | 367   | 855   |
| 518   | 597   | 726   | 694   | 582   | 999   | 888   | 70    | 566   | 954   |
| 229   | 694   | 837   | 712   | 802   | 999   | 888   | 707   | 766   | 324   |
| 376   | 372   | 964   | 502   | 76    | 909   | 888   | 789   | 464   | 456   |
| 418   | 496   | 729   | 962   | 607   | 99    | 788   | 787   | 392   | 789   |
| 392   | 527   | 415   | 365   | 392   | 69    | 788   | 877   | 876   | 444   |
| 479   | 372   | 696   | 928   | 115   | 969   | 887   | 778   | 666   | 555   |
| 316   | 519   | 325   | 316   | 201   | 996   | 887   | 887   | 666   | 555   |
| 292   | 314   | 726   | 596   | 112   | 999   | 889   | 777   | 666   | 555   |
| 816   | 516   | 318   | 813   | 370   | 989   | 889   | 777   | 666   | 555   |
| 373   | 842   | 962   | 967   | 385   | 899   | 988   | 777   | 666   | 55    |
| 962   | 926   | 372   | 822   | 965   | 989   | 987   | 777   | 666   | 505   |
| 875   | 365   | 413   | 476   | 919   | 998   | 789   | 707   | 666   | 785   |
| 969   | 52    | 929   | 969   | 828   | 999   | 879   | 777   | 666   | 956   |
| 728   | 84    | 713   | 229   | 808   | 999   | 798   | 707   | 797   | 729   |
| 696   | 996   | 965   | 699   | 80    | 98    | 888   | 777   | 877   | 888   |
| 724   | 87    | 318   | 539   | 79    | 89    | 888   | 886   | 77    | 684   |
| 694   | 909   | 476   | 372   | 556   | 79    | 888   | 899   | 606   | 721   |
| 928   | 875   | 595   | 908   | 73    | 97    | 888   | 876   | 660   | 319   |

| (141) | (142) | (143) | (144) | (145) | (146) | (147) | (148) | (149) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2901  | 9268  | 3029  | 6906  | 7296  | 5955  | 9090  | 9061  | 3071  |
| 7206  | 3075  | 6969  | 7891  | 5944  | 6968  | 795   | 3706  | 964   |
| 987   | 1868  | 3728  | 2345  | 9682  | 3721  | 896   | 9638  | 789   |
| 5432  | 1875  | 8684  | 6789  | 3715  | 8628  | 398   | 5968  | 596   |
| 6789  | 9989  | 9658  | 1234  | 6944  | 5944  | 5914  | 9213  | 1968  |
| 3216  | 9899  | 7215  | 5678  | 7268  | 3726  | 7926  | 4473  | 318   |
| 8998  | 7998  | 9603  | 9123  | 3166  | 9872  | 8688  | 9218  | 414   |
| 8776  | 3772  | 8216  | 4567  | 3804  | 8763  | 3814  | 789   | 376   |
| 5914  | 8664  | 7958  | 8912  | 7968  | 9205  | 5944  | 3457  | 909   |
| 7219  | 9667  | 3666  | 3456  | 5968  | 9025  | 6729  | 9891  | 726   |
| 6384  | 8321  | 7303  | 7891  | 5726  | 896   | 8651  | 3729  | 938   |
| 7215  | 6916  | 8684  | 2345  | 4933  | 795   | 901   | 6998  | 724   |
| 8692  | 7215  | 7213  | 6072  | 8864  | 382   | 7908  | 3726  | 9945  |
| 3847  | 6984  | 9645  | 8864  | 7749  | 1945  | 3026  | 9087  | 9495  |
| 7482  | 7321  | 8968  | 9876  | 6384  | 2396  | 5926  | 6958  | 762   |
| 9685  | 9065  | 3725  | 5432  | 7216  | 8492  | 8021  | 3929  | 823   |
| 9638  | 8726  | 5914  | 1234  | 9683  | 7163  | 795   | 3817  | 796   |
| 5946  | 9638  | 7215  | 5678  | 7219  | 9064  | 5966  | 2296  | 1594  |
| 908   | 7021  | 6928  | 9046  | 6517  | 7963  | 829   | 3195  | 795   |
| 729   | 9929  | 5715  | 3219  | 9286  | 2816  | 7916  | 4906  | 806   |
| 385   | 8728  | 6947  | 6999  | 7896  | 9021  | 3928  | 7963  | 1396  |
| 9602  | 9695  | 3726  | 7062  | 3045  | 3729  | 4726  | 8688  | 715   |
| 756   | 5959  | 8682  | 9063  | 6947  | 6847  | 8444  | 7889  | 998   |
| 8686  | 6960  | 7968  | 8645  | 8072  | 5019  | 5496  | 6944  | 8317  |
| 9026  | 796   | 3607  | 9215  | 3906  | 6902  | 3933  | 3729  | 7597  |
| 576   | 897   | 2901  | 6047  | 926   | 3721  | 2213  | 6966  | 1696  |
| 384   | 1965  | 7299  | 5960  | 385   | 6908  | 7856  | 8725  | 3495  |
| 7032  | 385   | 8677  | 1103  | 9032  | 3726  | 9206  | 6944  | 707   |

| (150) | (151) | (152) | (153) | (154) | (155) | (156) | (157) | (158) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3373  | 7906  | 7219  | 3969  | 7963  | 7963  | 4796  | 5968  | 7219  |
| 906   | 8329  | 8946  | 7915  | 3385  | 796   | 3894  | 7025  | 9068  |
| 1395  | 7913  | 9916  | 7213  | 1965  | 879   | 3726  | 398   | 7963  |
| 786   | 6984  | 9814  | 8684  | 4788  | 616   | 3906  | 7213  | 8081  |
| 3095  | 7159  | 7219  | 3604  | 3604  | 8926  | 989   | 968   | 5058  |
| 8996  | 6906  | 5946  | 3723  | 3725  | 3728  | 5968  | 7215  | 7296  |
| 7219  | 3726  | 8686  | 8695  | 9683  | 5926  | 3769  | 9684  | 3917  |
| 3854  | 8315  | 3090  | 7371  | 7211  | 7015  | 696   | 721   | 868   |
| 6993  | 3819  | 5723  | 5968  | 3916  | 989   | 3728  | 3968  | 796   |
| 8772  | 5999  | 8609  | 3723  | 9026  | 789   | 694   | 725   | 315   |
| 3156  | 3987  | 9999  | 9607  | 3716  | 909   | 8898  | 104   | 9607  |
| 9217  | 7162  | 8888  | 5713  | 9064  | 7296  | 987   | 1140  | 725   |
| 6947  | 9217  | 9907  | 3916  | 7998  | 297   | 594   | 576   | 807   |
| 3186  | 3916  | 7326  | 8602  | 3961  | 3328  | 1014  | 998   | 699   |
| 9215  | 7576  | 3138  | 6925  | 5964  | 317   | 987   | 8099  | 393   |
| 6947  | 8689  | 9045  | 8777  | 3723  | 607   | 9696  | 8908  | 7215  |
| 3145  | 9219  | 7213  | 7889  | 9628  | 5906  | 3905  | 7215  | 1635  |
| 9025  | 3724  | 9628  | 3905  | 3719  | 389   | 7219  | 7716  | 9213  |
| 7213  | 5968  | 7315  | 5093  | 9969  | 9333  | 969   | 9899  | 7906  |
| 9064  | 3914  | 9603  | 1276  | 3723  | 716   | 386   | 8989  | 5989  |
| 7215  | 3726  | 791   | 7079  | 9669  | 926   | 785   | 7915  | 6714  |
| 9316  | 9981  | 396   | 6969  | 7737  | 317   | 9027  | 3962  | 3429  |
| 8729  | 7213  | 1386  | 7031  | 7165  | 969   | 795   | 7213  | 8621  |
| 3605  | 9603  | 904   | 969   | 9027  | 1985  | 962   | 8684  | 7916  |
| 9608  | 7915  | 7036  | 3086  | 3966  | 709   | 784   | 7903  | 9985  |
| 7213  | 8765  | 928   | 901   | 8729  | 306   | 1968  | 8622  | 3716  |
| 6999  | 9628  | 1726  | 726   | 3065  | 1594  | 376   | 7585  | 9026  |
| 7986  | 1596  | 707   | 9025  | 7963  | 7799  | 9213  | 3606  | 5999  |

| (159) | (160) | (161) | (162) | (163) | (164) | (165) | (166) |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 7904  | 92196 | 50123 | 90213 | 9296  | 9023  | 7112  | 9015  |
| 3908  | 37141 | 92913 | 79118 | 3795  | 8134  | 8663  | 7915  |
| 1980  | 96037 | 86945 | 36276 | 7906  | 7245  | 7072  | 8329  |
| 9967  | 88969 | 76932 | 90516 | 3815  | 6356  | 5967  | 6736  |
| 3156  | 37156 | 86958 | 87119 | 7963  | 5467  | 3814  | 9014  |
| 9295  | 96028 | 72136 | 96379 | 8696  | 4578  | 6965  | 7219  |
| 8694  | 37219 | 96047 | 59046 | 3715  | 3689  | 7213  | 696   |
| 2968  | 56063 | 96396 | 58966 | 9608  | 2791  | 9638  | 879   |
| 3067  | 79061 | 87587 | 37055 | 3729  | 1812  | 7159  | 591   |
| 3169  | 39216 | 69077 | 96825 | 5916  | 9001  | 3829  | 5914  |
| 5964  | 99081 | 39166 | 79696 | 3773  | 3769  | 7206  | 726   |
| 7044  | 72136 | 70195 | 38568 | 5785  | 5946  | 3515  | 3862  |
| 8921  | 99067 | 38692 | 72136 | 6946  | 3817  | 9607  | 3965  |
| 3016  | 79067 | 71385 | 10615 | 3844  | 9638  | 7219  | 864   |
| 1112  | 90673 | 5906  | 9213  | 7062  | 7213  | 617   | 7219  |
| 9045  | 72196 | 72136 | 9012  | 3126  | 9637  | 8726  | 729   |
| 8886  | 39157 | 9095  | 37269 | 9065  | 8658  | 929   | 3865  |
| 6674  | 96038 | 69697 | 5906  | 5917  | 7976  | 5736  | 795   |
| 4455  | 76935 | 2969  | 7962  | 3726  | 8692  | 839   | 5114  |
| 3392  | 86927 | 7213  | 33864 | 9091  | 3729  | 6847  | 374   |
| 3933  | 71136 | 89692 | 7916  | 3725  | 5964  | 969   | 6729  |
| 7166  | 90638 | 3726  | 5914  | 8694  | 9607  | 3876  | 697   |
| 9996  | 5996  | 9981  | 72962 | 3706  | 3968  | 906   | 9063  |
| 7129  | 7906  | 3729  | 38164 | 5906  | 5964  | 387   | 899   |
| 6945  | 38157 | 69476 | 98375 | 9999  | 3777  | 1596  | 792   |
| 7021  | 79601 | 5913  | 1164  | 8888  | 6944  | 798   | 1698  |
| 3968  | 3802  | 7926  | 9076  | 7698  | 5966  | 3159  | 3176  |

| (167) | (168)  | (169)  | (170) | (171) | (172) | (173) | (174) |
|-------|--------|--------|-------|-------|-------|-------|-------|
| 29017 | 290617 | 702135 | 37051 | 90916 | 79998 | 90315 | 98476 |
| 39116 | 305165 | 59608  | 9062  | 39063 | 89395 | 72195 | 9009  |
| 1079  | 87216  | 726096 | 73296 | 72196 | 69087 | 85096 | 37296 |
| 81105 | 98046  | 38167  | 86025 | 30013 | 72136 | 72137 | 8005  |
| 9208  | 3745   | 59218  | 37629 | 31030 | 59061 | 69487 | 97209 |
| 37116 | 928615 | 37115  | 83472 | 89689 | 37256 | 90324 | 3864  |
| 9007  | 7005   | 900307 | 59682 | 59676 | 87206 | 72156 | 7998  |
| 5090  | 111001 | 29115  | 37256 | 83969 | 90603 | 92173 | 8995  |
| 7217  | 100010 | 6705   | 89276 | 72136 | 27136 | 93928 | 5969  |
| 67318 | 33716  | 821315 | 31926 | 96031 | 99156 | 9007  | 7913  |
| 11011 | 98514  | 93127  | 72134 | 59067 | 79063 | 9876  | 86095 |
| 9069  | 39683  | 695818 | 59147 | 29684 | 99181 | 3965  | 15087 |
| 7210  | 72963  | 37615  | 78162 | 37695 | 37026 | 87264 | 37213 |
| 38005 | 84563  | 90726  | 39069 | 90916 | 96058 | 3965  | 96118 |
| 9608  | 92167  | 115904 | 79682 | 37215 | 79658 | 90257 | 90019 |
| 9680  | 119121 | 37296  | 72136 | 96031 | 38213 | 5964  | 9876  |
| 99291 | 71510  | 317    | 59065 | 72136 | 9012  | 92063 | 54321 |
| 89898 | 38164  | 1107   | 78236 | 92847 | 37261 | 7968  | 12345 |
| 37276 | 973618 | 1154   | 59637 | 60917 | 40719 | 9906  | 67891 |
| 59695 | 89006  | 903816 | 79646 | 39998 | 59609 | 38073 | 23456 |
| 92137 | 39115  | 793115 | 89061 | 59697 | 57216 | 9213  | 78912 |
| 87159 | 193015 | 696123 | 37296 | 38567 | 38795 | 8965  | 34567 |
| 38147 | 38706  | 960315 | 59061 | 72136 | 92075 | 79004 | 89123 |
| 69286 | 132015 | 729929 | 38276 | 96837 | 11025 | 3916  | 45678 |
| 98032 | 73963  | 694047 | 86027 | 96035 | 9607  | 8729  | 91234 |
| 71560 | 91998  | 38564  | 92137 | 87216 | 38695 | 69586 | 56789 |
| 3869  | 37684  | 337962 | 69999 | 96031 | 7213  | 9219  | 22219 |
| 72156 | 89164  | 1012   | 89898 | 59682 | 86957 | 37294 | 32196 |

| (175) | (176) | (177) | (178)  | (179) | (180) | (181) | (182) |
|-------|-------|-------|--------|-------|-------|-------|-------|
| 11302 | 90613 | 50719 | 301475 | 32123 | 79603 | 70615 | 11826 |
| 9608  | 7915  | 3729  | 92186  | 45678 | 8763  | 9943  | 11825 |
| 795   | 8906  | 6966  | 75680  | 90123 | 9006  | 34956 | 11824 |
| 88878 | 78956 | 7968  | 96372  | 34567 | 37968 | 7825  | 29298 |
| 79006 | 9658  | 38662 | 594768 | 89123 | 8607  | 7256  | 29299 |
| 69318 | 726   | 7996  | 39614  | 45678 | 3904  | 6432  | 39998 |
| 75113 | 588   | 8998  | 76382  | 91234 | 90607 | 11011 | 47694 |
| 96303 | 3764  | 15966 | 99089  | 56789 | 3999  | 5795  | 50176 |
| 57629 | 9698  | 38776 | 101010 | 12345 | 8778  | 8602  | 39609 |
| 69464 | 37694 | 79606 | 75167  | 67891 | 8996  | 3726  | 37216 |
| 38575 | 5968  | 88965 | 3072   | 23456 | 3012  | 86968 | 38472 |
| 96032 | 89443 | 70945 | 76038  | 78912 | 15634 | 3725  | 92678 |
| 7958  | 99087 | 7917  | 59556  | 78996 | 7213  | 6945  | 69698 |
| 3706  | 9682  | 3896  | 87898  | 83667 | 8615  | 8076  | 31566 |
| 13960 | 7892  | 9065  | 39175  | 58776 | 9628  | 6831  | 59472 |
| 5907  | 3156  | 9928  | 69474  | 60931 | 3715  | 12756 | 79663 |
| 3876  | 76382 | 7968  | 59699  | 70586 | 99684 | 9026  | 98765 |
| 19296 | 5916  | 19065 | 89998  | 92136 | 3005  | 3999  | 7229  |
| 3888  | 83992 | 78905 | 90998  | 87219 | 53053 | 9893  | 3637  |
| 99999 | 78156 | 59116 | 89989  | 36137 | 37290 | 7195  | 56056 |
| 77777 | 9606  | 3803  | 37658  | 92147 | 6969  | 6947  | 38380 |
| 99999 | 78096 | 9025  | 276356 | 58947 | 3938  | 8769  | 87970 |
| 50599 | 39156 | 7261  | 38147  | 98765 | 5678  | 18965 | 7586  |
| 89696 | 7213  | 38119 | 59216  | 43219 | 9876  | 7215  | 3915  |
| 37113 | 8999  | 7263  | 87904  | 87654 | 3457  | 3896  | 79162 |
| 9209  | 9888  | 84695 | 69380  | 32191 | 19684 | 59473 | 8684  |
| 7896  | 17696 | 92167 | 59673  | 76543 | 8721  | 76315 | 7213  |
| 9698  | 39587 | 93033 | 77175  | 21987 | 99087 | 9051  | 96037 |

| (183) | (184) | (185) | (186) | (187) | (188) | (189) | (190) |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 71017 | 70617 | 12304 | 88888 | 40915 | 33333 | 60913 | 99087 |
| 39516 | 39673 | 56789 | 66666 | 88896 | 44444 | 313   | 78956 |
| 92137 | 88789 | 1233  | 99999 | 76908 | 55555 | 10191 | 38569 |
| 99096 | 99673 | 73696 | 77766 | 39696 | 66666 | 10019 | 79138 |
| 38579 | 76316 | 86767 | 31597 | 87159 | 77777 | 37216 | 38372 |
| 36928 | 96389 | 39158 | 89898 | 39127 | 22222 | 8015  | 96031 |
| 92761 | 37609 | 99091 | 98989 | 66382 | 99999 | 926   | 79638 |
| 71213 | 37697 | 73162 | 89898 | 59167 | 88888 | 3716  | 59672 |
| 92136 | 51030 | 59638 | 98988 | 37695 | 66077 | 93456 | 36976 |
| 59999 | 39696 | 90673 | 88998 | 82163 | 73199 | 72192 | 89987 |
| 99599 | 71968 | 88776 | 73157 | 99081 | 99591 | 6946  | 69686 |
| 88788 | 92173 | 99666 | 72176 | 59177 | 7091  | 37163 | 75158 |
| 77877 | 95167 | 72139 | 77777 | 3796  | 39015 | 9063  | 7963  |
| 76767 | 59683 | 89156 | 66666 | 8092  | 7221  | 7219  | 19633 |
| 67676 | 71693 | 72131 | 66666 | 799   | 29163 | 69213 | 877   |
| 56569 | 92173 | 10967 | 66666 | 808   | 60613 | 8915  | 1877  |
| 30707 | 90931 | 37145 | 99999 | 995   | 73131 | 79638 | 9606  |
| 57969 | 79396 | 99999 | 77777 | 7638  | 96072 | 9092  | 38697 |
| 35644 | 89696 | 99999 | 99876 | 5963  | 88684 | 33776 | 59381 |
| 88693 | 37159 | 88888 | 59175 | 79176 | 59159 | 3709  | 7219  |
| 71921 | 86725 | 88888 | 57219 | 89455 | 72173 | 59199 | 39687 |
| 92065 | 79163 | 77777 | 39165 | 5945  | 39167 | 9067  | 7195  |
| 87219 | 88176 | 66666 | 88679 | 60273 | 49631 | 779   | 44146 |
| 59147 | 96003 | 77777 | 59027 | 5916  | 59853 | 385   | 90319 |
| 92138 | 23231 | 66666 | 79638 | 82175 | 44704 | 7156  | 72195 |
| 76963 | 17864 | 55555 | 92197 | 9608  | 47504 | 92193 | 9217  |
| 11965 | 90506 | 44444 | 67308 | 37214 | 99999 | 7062  | 3999  |
| 59607 | 78956 | 34217 | 71506 | 3795  | 88777 | 59176 | 99999 |

(191)  $41715 + 6943 + 7031 + 38161 + 7219 + 5967 + 83267 + 5921 + 8376 + 90075 + 47461 + 92867 + 39156 + 7213 + 66968 + 80909 + 17071 + 59666$ .

(192)  $714 + 330967 + 59176 + 382956 + 714315 + 8006 + 92867 + 33915 + 577166 + 38721 + 96031 + 79603 + 9067 + 314 + 92603 + 7131 + 9263 + 8729 + 9669$ .

(193)  $79909 + 36921 + 597 + 898 + 100139 + 75197 + 92075 + 73968 + 7763 + 9603 + 3996 + 69694 + 72093 + 872 + 59663 + 9983 + 59763 + 5903$ .

(194)  $7113 + 563 + 51021 + 36035 + 724 + 6968 + 75385 + 7966 + 8866 + 72135 + 9091 + 9607 + 372 + 697 + 307631$ .

(195)  $90613 + 7296 + 34581 + 696 + 5887 + 307 + 22021 + 30013 + 79610 + 380830 + 79961 + 75631 + 8692 + 6938 + 37146 + 14192$ .

(196)  $3553 + 95864 + 3729 + 69683 + 79163 + 2213 + 72131 + 6966 + 3104 + 73236 + 4481 + 246810 + 92613 + 8137$ .

(197)  $36073 + 69607 + 3815 + 6966 + 44839 + 3712 + 96076 + 39175 + 79071 + 3716 + 99086 + 969 + 7915 + 79167 + 3726 + 8696 + 4415$ .

(198)  $92107 + 31763 + 92196 + 5916 + 37296 + 37216 + 86864 + 39167 + 7219 + 7163 + 11096 + 72137 + 68316 + 49136$ .

(199)  $71107 + 386967 + 596831 + 99672 + 8070 + 3696 + 441567 + 370382 + 372191 + 709 + 96072 + 33671 + 876926 + 769163$ .

(200)  $20219 + 92044 + 7219 + 3969 + 70311 + 781567 + 96038 + 96043 + 7216 + 833383 + 929169 + 72706 + 387269 + 96037$ .

(201) Add together seventy nine, ninety eight, a thousand and four, five hundred and eleven, ninety one, twelve, three thousand and fifty one, one hundred and three, and seven.

(202) Add together seventeen thousand and four, fifty eight hundred and two, eleven thousand five hundred and thirty, four hundred thousand nine hundred and six, forty five thousand, and ninety eight thousand and seventy.

(203) Add together five millions eleven thousand and sixty, thirty three millions nine hundred thousand and nine, twelve thousand two hundred and twelve, thirteen millions nineteen thousand six hundred and four, eighteen millions eighteen hundred thousand and eighteen, and seventy six thousand five hundred and one.

(204) There are eighteen panes of glass in one window, twelve in another, thirty two in another, and nine in another; how many altogether?

(205) In each of five schools there are seven hundred and ninety eight scholars, five hundred and sixty six in another, and eleven hundred and nine in the seventh. What is the total number?

(206) If London has four millions three hundred and seven thousand inhabitants, Manchester seven hundred and fifty thousand, Glasgow eight hundred and seventy five thousand, Birmingham five hundred thousand; how many altogether?

(207) Find the sum of  $906 + 170031 + 3002 + 969 + 596 + 5871$  and three millions two hundred and ten thousand and ten.

(208) A person bought eighty three, seventy nine, one hundred and four, fifty six, three hundred and eleven, and ninety nine yards of calico. How many yards altogether?

(209) One tree has four hundred and fifty seven apples, a second fifty nine, a third five hundred and seventy four, a fourth eleven hundred and two. Find the total number.

(210) Find the amount of six hundred and seven, nine hundred and twenty three, three thousand two hundred and six, fourteen thousand eleven hundred and nine, and twenty one thousand one hundred and seventy.

(211) How many is  $376 + 5096 + 82 + 90027 + 5176 + 968 + 47074$ ?

(212) A millowner employs 27 workpeople in one room, 136 in another, 129 in a third, and 1076 in other rooms. How many does he employ altogether?

(213) One man walked 130 miles, another 79, another 145, a fourth 226, and a fifth 187 miles. What distance did they walk altogether?

(214) Add together  $219 + 7219 + 5968 + 7368 + 47283$  and 3 millions four thousand and seventy seven.

(215) In a plantation there are 476 oaktrees, 1968 beech, 4072 larch, 902 spruce, 127 elm, and 97 ash. How many trees altogether?

(216) In one regiment there are 1576 men, in another 1153, in another 1154, and in a fourth 1097. How many men would there be if 68 were added to each regiment?

(217) Perform the addition of  $496 + 7296 + 3162 + 7626 + 317 + 599 + 18867 + 7294$ .

(218) There are nine sacks each containing 197 apples; how many altogether?

(219) A book has 496 pages; how many pages would 8 such books have?

(220) A newspaper has 19604 words on the first page, 17692 on the second, 14705 on the third, and 15998 on the fourth. How many words does it contain?

(221) A gardener potted out 694 geraniums, 1187 calceolarias, 472 fuchsias, 7219 stocks, and 4608 of various plants. How many plants did he pot out altogether?

(222) Find the sum of  $4726 + 318 + 699 + 7238 + 697 + 887$  and 3063.

(223) An eleven in a cricket match scored as follows: 47, 13, 51, 0, 3, 17, 73, 86, 29, 117 and 31. How many runs were made altogether?

(224) A train carried 27 passengers by first class, 113 more than that number by second, and 28 more by third class than by first and second together. How many altogether?

(225) Find the value of a strong box containing 1497 sovereigns in one compartment, 1906 in a second, and 1196 in a third.

(226) Add together  $7209 + 3863 + 472 + 10906 + 387 + 4917 + 7903$ .

(227) Find the sum of  $90617 + 1000317 + 19286 + 372983 + 2916472 + 200313 + 997616$ .

(228) How many pens are there in 7 boxes, each containing 144?

(229) A farmer has 479 sheep in one flock, 387 in another, 445 in another, and buys 998; how many has he?

(230) Add together 473, 1 score and 17, 1 dozen and 11, and a hundred and seven.

(231) How many days are there in a year if January has 31, February 28, March 31, April 30, May 31, June 30, July 31, August 31, September 30, October 31, November 30, and December 31 days?

(232) On Monday 9406 packs of wool were sold, on Tuesday 479, on Wednesday 8987, on Friday 4475, and on Saturday 398 more than on Tuesday; how many were sold in all?

(233) Add together  $47291 + 8309 + 72196 + 9608 + 37284 + 57216 + 3916 + 5738$ .

(234) Write down in figures and add, seven hundred and seven millions seven hundred thousand and seventy, fifty five thousand fifty five hundred and fifty five, thirteen thousand thirteen hundred and thirteen, nine millions eleven hundred and one, four hundred and seventy millions four hundred and seven thousand and forty seven, and eleven millions ten thousand one hundred and one.

(235) In the six working days of a week the number of tons of coal raised from a mine was 476, 398, 1011, 564, 899, and 338. How many tons in all?

(236) Find the sum of  $84961 + 7071 + 3998 + 1968 + 17969$ .

(237) How many strokes does a clock telling the hours strike in twelve hours?

(238) A householder used 4906 feet of gas in the spring quarter, 1799 in summer, 4879 in autumn and 9687 in winter. How many feet altogether?

(239) In January 3017916 persons travelled by rail; 3904719 in February; 18960709 in March; 24009687 in April; 25472816 in May, and 31013409 in June. How many for the half year?

(240) If there are 29 boys in the first class, 35 in the second, 196 in the third and fourth together, and 57 in each of the fifth, sixth, and seventh, how many are there in the whole school?

(241) How many days are there in 7 weeks and 3 days?

(242) Find how many is nine times 987.

(243) A farmer sold 13 cows for 26 sovereigns each; how much money did he receive?

(244) If the Post Office sells 876504 stamps daily, how many does it issue in a week, omitting Sunday ?

(245) Add  $472919 + 800316 + 92769 + 39603 + 157 + 3$  times one hundred and ninety nine.

(246) A train consists of six carriages in which are the following numbers of people 29, 57, 40, 11, 32 and 17 ; if 17 people now get into each of the carriages, how many passengers will there be altogether ?

(247) A wine merchant sells 5 dozen and 4 bottles on Monday, 2 dozen and six on Tuesday, 8 dozen and 7 on Wednesday, 4 dozen and 9 on Thursday, 5 dozen on Friday, and 7 dozen and 4 on Saturday. How many bottles does he sell ?

(248) Find the sum of  $7906 + 1894 + 9046 + 5$  times 9897.

(249) Find the sum of 3 times 1198 + 4 times 4736 + 5 times 7968.

(250) Add together 5 dozen and 7, seven score and 12, 3 score, 5 dozen, seventy, 9046 and 4 times 7963.

## SIMPLE SUBTRACTION.

|                 |                |                |                |                |
|-----------------|----------------|----------------|----------------|----------------|
| (1)             | (2)            | (3)            | (4)            | (5)            |
| 396175          | 790215         | 79061          | 869724         | 920175         |
| <u>143023</u>   | <u>340202</u>  | <u>17329</u>   | <u>345678</u>  | <u>372998</u>  |
| (6)             | (7)            | (8)            | (9)            | (10)           |
| 7509001         | 7213069        | 713061         | 456317         | 119808         |
| <u>3216968</u>  | <u>1725968</u> | <u>293697</u>  | <u>237629</u>  | <u>115799</u>  |
| (11)            | (12)           | (13)           | (14)           | (15)           |
| 1190967         | 302156         | 1180217        | 3159607        | 9211316        |
| <u>372969</u>   | <u>179339</u>  | <u>753699</u>  | <u>2096185</u> | <u>9071608</u> |
| (16)            | (17)           | (18)           | (19)           | (20)           |
| 1706157         | 3906131        | 1103031        | 1590617        | 7201307        |
| <u>929159</u>   | <u>672864</u>  | <u>729682</u>  | <u>365139</u>  | <u>109109</u>  |
| (21)            | (22)           | (23)           | (24)           | (25)           |
| 9012013         | 3061306        | 1901321        | 7031637        | 8902137        |
| <u>7296097</u>  | <u>796588</u>  | <u>973162</u>  | <u>693796</u>  | <u>958709</u>  |
| (26)            | (27)           | (28)           | (29)           | (30)           |
| 3219063         | 13905572       | 10010100       | 15103302       | 15607131       |
| <u>1985197</u>  | <u>9709907</u> | <u>3762007</u> | <u>7964209</u> | <u>5960073</u> |
| (31)            | (32)           | (33)           | (34)           | (35)           |
| 93213216        | 1000000        | 1010000        | 1010000        | 902169         |
| <u>70911569</u> | <u>17307</u>   | <u>17968</u>   | <u>599</u>     | <u>2179</u>    |

## EXAMPLES IN ARITHMETIC.

|         |          |          |         |         |
|---------|----------|----------|---------|---------|
| (36)    | (37)     | (38)     | (39)    | (40)    |
| 7103115 | 50050015 | 19020030 | 8012960 | 8621395 |
| 37968   | 3123716  | 7216031  | 1390972 | 107099  |
| <hr/>   | <hr/>    | <hr/>    | <hr/>   | <hr/>   |

|         |         |         |         |         |
|---------|---------|---------|---------|---------|
| (41)    | (42)    | (43)    | (44)    | (45)    |
| 7152136 | 6036031 | 5960317 | 2906137 | 3031311 |
| 372195  | 603932  | 1137129 | 728659  | 719191  |
| <hr/>   | <hr/>   | <hr/>   | <hr/>   | <hr/>   |

|         |         |         |         |         |
|---------|---------|---------|---------|---------|
| (46)    | (47)    | (48)    | (49)    | (50)    |
| 9010000 | 7156031 | 8603176 | 1001297 | 5090501 |
| 2737    | 90937   | 1276959 | 30988   | 509055  |
| <hr/>   | <hr/>   | <hr/>   | <hr/>   | <hr/>   |

|      |             |           |       |              |           |
|------|-------------|-----------|-------|--------------|-----------|
| (51) | 3010926 -   | 289576    | (76)  | 104014041 -  | 103015032 |
| (52) | 2920156 -   | 1796328   | (77)  | 37216003 -   | 18197314  |
| (53) | 10904032 -  | 7206315   | (78)  | 143027303 -  | 111219375 |
| (54) | 7005168 -   | 2456789   | (79)  | 27061325 -   | 26394087  |
| (55) | 3721604 -   | 3216034   | (80)  | 101316072 -  | 99289119  |
| (56) | 21902308 -  | 17526319  | (81)  | 92096001 -   | 56263179  |
| (57) | 9076308 -   | 4444576   | (82)  | 102201030 -  | 100210034 |
| (58) | 38075154 -  | 29307265  | (83)  | 79005167 -   | 38214039  |
| (59) | 7960012 -   | 7115092   | (84)  | 68042316 -   | 32370197  |
| (60) | 10210301 -  | 3450032   | (85)  | 301310300 -  | 300301310 |
| (61) | 11506308 -  | 7308075   | (86)  | 70132301 -   | 35196804  |
| (62) | 90090090 -  | 45450176  | (87)  | 13030316 -   | 12076947  |
| (63) | 11010010 -  | 2070030   | (88)  | 86001115 -   | 75330697  |
| (64) | 15190002 -  | 7216036   | (89)  | 72400156 -   | 36036384  |
| (65) | 9076318 -   | 6394479   | (90)  | 157902137 -  | 146897386 |
| (66) | 3114071 -   | 2009318   | (91)  | 732001706 -  | 394800796 |
| (67) | 16003007 -  | 15004009  | (92)  | 1102331755 - | 928696318 |
| (68) | 2310056 -   | 1584049   | (93)  | 20010011 -   | 9050012   |
| (69) | 137006003 - | 128900314 | (94)  | 73106101 -   | 38209504  |
| (70) | 75101101 -  | 70102012  | (95)  | 11210060 -   | 7109755   |
| (71) | 36303307 -  | 15025189  | (96)  | 83083830 -   | 7905799   |
| (72) | 150013306 - | 150009198 | (97)  | 67231310 -   | 38445556  |
| (73) | 77210318 -  | 66013189  | (98)  | 92001100 -   | 74390104  |
| (74) | 9001010 -   | 7003890   | (99)  | 10000131 -   | 703506    |
| (75) | 40146036 -  | 36310075  | (100) | 9980313 -    | 7998414   |

- |       |                       |       |                       |
|-------|-----------------------|-------|-----------------------|
| (101) | 13213203 - 10406007   | (139) | 111311301 - 92195057  |
| (102) | 1974013 - 596831      | (140) | 801108180 - 707009181 |
| (103) | 11901080 - 3704925    | (141) | 79103070 - 69244069   |
| (104) | 71217036 - 37385942   | (142) | 929176003 - 920079104 |
| (105) | 300149 - 290318       | (143) | 378684311 - 279695512 |
| (106) | 701316 - 355907       | (144) | 606600060 - 376601075 |
| (107) | 109109108 - 107109109 | (145) | 723005176 - 159694307 |
| (108) | 37041010 - 36542317   | (146) | 180172019 - 795099    |
| (109) | 92092087 - 90092088   | (147) | 316217318 - 298889566 |
| (110) | 11211021 - 7209364    | (148) | 101103035 - 9207048   |
| (111) | 90216316 - 79118495   | (149) | 96131503 - 79237495   |
| (112) | 50713036 - 24385197   | (150) | 880180170 - 793156028 |
| (113) | 30101715 - 29187697   | (151) | 405107136 - 113133131 |
| (114) | 101371115 - 98343907  | (152) | 70770700 - 37179699   |
| (115) | 90137215 - 75196899   | (153) | 108110103 - 9203746   |
| (116) | 110101010 - 57920763  | (154) | 75001308 - 69071497   |
| (117) | 30902117 - 23796118   | (155) | 100000000 - 361564    |
| (118) | 13907113 - 9908014    | (156) | 970302060 - 599316185 |
| (119) | 141013076 - 139618079 | (157) | 30143137 - 29137139   |
| (120) | 101131006 - 80037907  | (158) | 72113063 - 38038197   |
| (121) | 90603715 - 72096318   | (159) | 68019079 - 67019089   |
| (122) | 13603306 - 8729039    | (160) | 313111306 - 169015709 |
| (123) | 10901709 - 9796384    | (161) | 10000101 - 7356180    |
| (124) | 9026013 - 7927026     | (162) | 8131047 - 7295368     |
| (125) | 8000010 - 6000734     | (163) | 90215715 - 45363808   |
| (126) | 101031316 - 77139489  | (164) | 11002115 - 7319009    |
| (127) | 40132017 - 3096219    | (165) | 7000000 - 35060       |
| (128) | 30913714 - 9296847    | (166) | 301207139 - 175809296 |
| (129) | 19600131 - 7963804    | (167) | 207139015 - 63726159  |
| (130) | 20121010 - 17315804   | (168) | 743443144 - 373144967 |
| (131) | 356017091 - 299009098 | (169) | 807126026 - 545928397 |
| (132) | 796030205 - 259383769 | (170) | 130207139 - 73160289  |
| (133) | 130716902 - 29609965  | (171) | 75103724 - 69385596   |
| (134) | 702136005 - 15096387  | (172) | 809195443 - 374579867 |
| (135) | 509308180 - 272197990 | (173) | 455173226 - 299407329 |
| (136) | 110010101 - 5703097   | (174) | 111223445 - 63796876  |
| (137) | 715132177 - 696928969 | (175) | 152173106 - 78369459  |
| (138) | 404040400 - 393390716 | (176) | 990316104 - 729457967 |

|       |                       |       |                       |
|-------|-----------------------|-------|-----------------------|
| (177) | 127108316 - 94094397  | (189) | 601106016 - 365365065 |
| (178) | 19190019 - 7191197    | (190) | 72013018 - 35316077   |
| (179) | 203230023 - 23033033  | (191) | 109901010 - 77868037  |
| (180) | 171698107 - 17180538  | (192) | 56312312 - 56311409   |
| (181) | 3100031 - 300043      | (193) | 700000000 - 375000031 |
| (182) | 987654321 - 123456789 | (194) | 80310036 - 16494729   |
| (183) | 16025713 - 13417839   | (195) | 790101010 - 5964318   |
| (184) | 706310301 - 387495696 | (196) | 108304040 - 72405043  |
| (185) | 118413106 - 92307297  | (197) | 60000100 - 572130     |
| (186) | 363036066 - 167366059 | (198) | 312137311 - 46439728  |
| (187) | 57570057 - 50868318   | (199) | 109090137 - 79393089  |
| (188) | 10010010 - 9007035    | (200) | 55103301 - 47013907   |

(201) Find the difference between 7296 and 4053.

(202) From 8697 take 3245.

(203) How many is 70211 more than 17345 ?

(204) Take 29388 from 92176.

(205) Find the difference of thirty one thousand three hundred and seventy, and twelve thousand nine hundred and seventy six.

(206) From eighty six thousand and twenty one, take six thousand seven hundred and seven.

(207) Take thirty nine thousand six hundred and fifty nine, from seventy nine thousand five hundred and eight.

(208) Out of forty thousand one hundred and twenty one troops, twelve thousand nine hundred and thirty seven were cavalry ; how many others were there ?

(209) Sold 16789 bricks out of thirty thousand one hundred and twenty seven ; what number was left ?

(210) Eleven thousand and ninety one persons visited an exhibition, of whom nine thousand six hundred and ninety seven paid for admission. How many went free ?

(211) From 39002 take twice 14307.

(212) Of an estate of 80211 acres, 41173 acres are arable, the rest being pasture land. How much grass land was there ?

(213) If Oldham has 79061 inhabitants, and Stalybridge 36973, how many has one more than the other?

(214) Out of an army of forty thousand men, 30012 are ordered on foreign service; how many remain at home?

(215) A game dealer sells seven and a half brace of partridges out of three dozen brace received; how many has he on hand?

(216) If in a school of 368 boys, 93 are admitted and 79 leave during the year, how many remain on the books?

(217) Take thirty two thousand eight hundred and sixty four from seven hundred thousand three hundred and eleven.

(218) Subtract 79869 from 119926.

(219) One city contains 302136 people, another 172969; how many has one more than the other?

(220) From 806113 take three times 173697.

(221) A merchant received at various times 31, 84, 96, 107, 509, 71 and 38 casks, and sold 47, 340, 49 and 87; how many has he remaining?

(222) A nobleman purchases an estate for £31,068 and lays out £2964 on drainage; what was the entire cost?

(223) From the sum of 11, 1096, 2007, 855 and 97 take the sum of 43, 108, 969, 2136 and 384.

(224) Take 326908 from 501207.

(225) A population of 5702139 was left in a country after 321695 had emigrated; what number was there at first?

(226) A well discharges 100120 gallons of water a day, of which 71029 are used. How many gallons run to waste?

(227) A tradesman owes £3037 and pays £1548; what is still owing?

(228) From two millions nine hundred and six thousand one hundred and thirteen, take four hundred and ninety three thousand six hundred and seven.

(229) Find the value of  $51 + 17 + 93 - 69$ .

(230) Find the value of  $1703116 - 751897$ .

(231) A draper bought three lots of calico measuring 5916, 8014 and 11129 yards, and sold 9697 yards; what had he remaining in stock?

(232) Take 59016 from the sum of  $11706 + 389 + 57698 + 327 + 1020$ .

(233) Add together 591638 and 47958 and from the sum take thirty one thousand thirty one hundred and thirteen.

(234) Of 860213 acres, two hundred and seventy three thousand six hundred and ninety seven are waste land; how many acres are cultivated?

(235) Add 7 dozen, 3 hundred, 6 score and twelve and 5109, and from this sum take 5299.

(236) From 121314 take 3 times 10302.

(237) What is left after taking 73699 from 902176?

(238) Out of a million of people 30630 people die annually; how many remain?

(239) Take eight hundred and thirty seven thousand and twenty nine from seven millions one hundred and fifty thousand six hundred and thirty one.

(240) What number added to 729069 will give 6940613?

(241) How many is 8321658 more than 1706579?

(242) Which is the greater and by how many, 3 times 119 or 4 times 89?

(243) A boy was born in 1869, what is his age in 1878?

(244) The Indian mutiny took place in 1857; how many years was that before 1878?

(245) A person writing in 1849 says the battle of Waterloo took place 34 years ago: find the date of the battle.

(246) From the sum of six millions nine hundred and sixty thousand three hundred and twelve, nine millions twenty one thousand one hundred and thirty one, and one million twenty one thousand four hundred and six, take the sum of seven hundred and fifty nine thousand eight hundred and sixty four, two millions one hundred and ninety six thousand three hundred and seventy five, and seven hundred and twenty nine thousand six hundred and eighty four.

(247) By how many does 40169 exceed four times 2998?

(248) Find the value of  $1506 - 386 + 496 + 7031 - 3269 - 314 + 599$ .

(249) From a piece of silk measuring 301 yards the following lengths were cut: 16 yards, 11 yds, 11 yds, 18 yds, 15 yds, 13 yds, 13 yds, 16 yds, 17 yds, 17 yds, 24 yds, 23 yds, 29 yds, and 34 yds; what length remained?

(250) From 9 times 3099 take 7 times 1997.

## SIMPLE MULTIPLICATION.

|                  |                     |                     |
|------------------|---------------------|---------------------|
| (1) 3721695 × 2  | (31) 19579 × 123    | (61) 6978954 × 7081 |
| (2) " × 3        | (32) " × 345        | (62) " × 3906       |
| (3) " × 4        | (33) " × 678        | (63) " × 5402       |
| (4) " × 5        | (34) " × 907        | (64) 729637 × 3750  |
| (5) " × 6        | (35) 926985 × 709   | (65) " × 2468       |
| (6) " × 7        | (36) " × 876        | (66) " × 9027       |
| (7) " × 8        | (37) " × 543        | (67) 869109 × 9080  |
| (8) " × 9        | (38) " × 205        | (68) " × 3700       |
| (9) 8976543 × 2  | (39) 6963519 × 1234 | (69) " × 5640       |
| (10) " × 3       | (40) " × 2056       | (70) 372954 × 6809  |
| (11) " × 4       | (41) " × 6570       | (71) " × 7003       |
| (12) " × 5       | (42) " × 8090       | (72) " × 8245       |
| (13) " × 6       | (43) 79056 × 2345   | (73) 5931768 × 2037 |
| (14) " × 7       | (44) " × 6789       | (74) " × 7050       |
| (15) " × 8       | (45) " × 7065       | (75) " × 8009       |
| (16) " × 9       | (46) " × 9107       | (76) " × 4402       |
| (17) 579609 × 10 | (47) 694857 × 79    | (77) 73908 × 5967   |
| (18) " × 100     | (48) " × 86         | (78) " × 8043       |
| (19) " × 1000    | (49) " × 53         | (79) 51783 × 9682   |
| (20) " × 20      | (50) " × 490        | (80) " × 7350       |
| (21) " × 50      | (51) 72158 × 96     | (81) 90217 × 8690   |
| (22) " × 600     | (52) " × 84         | (82) " × 5704       |
| (23) " × 9000    | (53) " × 75         | (83) " × 2395       |
| (24) " × 70      | (54) " × 42         | (84) 159607 × 7958  |
| (25) 921939 × 12 | (55) " × 103        | (85) " × 3640       |
| (26) " × 23      | (56) 569437 × 885   | (86) 92375 × 5438   |
| (27) " × 45      | (57) " × 790        | (87) " × 2795       |
| (28) " × 67      | (58) " × 986        | (88) 672976 × 209   |
| (29) " × 89      | (59) " × 513        | (89) " × 789        |
| (30) " × 997     | (60) " × 479        | (90) " × 5006       |

|       |                    |       |                           |       |               |
|-------|--------------------|-------|---------------------------|-------|---------------|
| (91)  | 705968 × 357       | (114) | 82754 × 2754              | (137) | 71965 × 8076  |
| (92)  | „ × 879            | (115) | „ × 6890                  | (138) | „ × 7203      |
| (93)  | „ × 2405           | (116) | „ × 3007                  | (139) | 37298 × 8806  |
| (94)  | „ × 6069           | (117) | 923417 × 8300             | (140) | „ × 9095      |
| (95)  | 721563 × 7005      | (118) | „ × 9405                  | (141) | „ × 7203      |
| (96)  | „ × 5906           | (119) | „ × 7229                  | (142) | „ × 5420      |
| (97)  | „ × 8043           | (120) | „ × 6208                  | (143) | 690875 × 3240 |
| (98)  | 912736 × 927       | (121) | 79163 × 7916              | (144) | „ × 4076      |
| (99)  | „ × 608            | (122) | „ × 8907                  | (145) | „ × 9028      |
| (100) | „ × 5430           | (123) | „ × 3728                  | (146) | „ × 5609      |
| (101) | 7215698 × 3007     | (124) | „ × 6980                  | (147) | 290377 × 6607 |
| (102) | „ × 5098           | (125) | 97209 × 5603              | (148) | „ × 8270      |
| (103) | „ × 3201           | (126) | „ × 4009                  | (149) | „ × 5059      |
| (104) | 99278 × 8837       | (127) | „ × 7021                  | (150) | „ × 3009      |
| (105) | „ × 5916           | (128) | „ × 8002                  | (151) | 6976 × 6976   |
| (106) | „ × 4408           | (129) | 69587 × 8300              | (152) | 3884 × 3884   |
| (107) | 50764 × 5076       | (130) | „ × 9007                  | (153) | 9608 × 9608   |
| (108) | „ × 3081           | (131) | „ × 6050                  | (154) | 5327 × 5327   |
| (109) | „ × 4932           | (132) | „ × 4706                  | (155) | 7209 × 7209   |
| (110) | „ × 2069           | (133) | 93285 × 3007              | (156) | 9987 × 9987   |
| (111) | 78134 × 8130       | (134) | „ × 6900                  | (157) | 6245 × 6245   |
| (112) | „ × 4700           | (135) | „ × 8052                  | (158) | 8796 × 8796   |
| (113) | „ × 3965           | (136) | 71935 × 9045              | (159) | 1234 × 1234   |
| (160) | 5678 × 5678        | (175) | 5703 × 5703 × 5703        |       |               |
| (161) | 125 × 125 × 125    | (176) | 9876 × 9876 × 9876        |       |               |
| (162) | 694 × 694 × 694    | (177) | 876 × 876 × 876           |       |               |
| (163) | 721 × 721 × 721    | (178) | 765 × 765 × 765           |       |               |
| (164) | 699 × 699 × 699    | (179) | 6009 × 6009 × 6009        |       |               |
| (165) | 856 × 856 × 856    | (180) | 3729 × 3729 × 3729        |       |               |
| (166) | 308 × 308 × 308    | (181) | 678 × 678 × 678 × 678     |       |               |
| (167) | 795 × 795 × 795    | (182) | 987 × 987 × 987 × 987     |       |               |
| (168) | 865 × 865 × 865    | (183) | 305 × 305 × 305 × 305     |       |               |
| (169) | 372 × 372 × 372    | (184) | 609 × 609 × 609 × 609     |       |               |
| (170) | 999 × 999 × 999    | (185) | 869 × 869 × 869 × 869     |       |               |
| (171) | 1234 × 1234 × 1234 | (186) | 908 × 908 × 908 × 908     |       |               |
| (172) | 4567 × 4567 × 4567 | (187) | 988 × 988 × 988 × 988     |       |               |
| (173) | 7079 × 7079 × 7079 | (188) | 3271 × 3271 × 3271 × 3271 |       |               |
| (174) | 8907 × 8907 × 8907 | (189) | 8004 × 8004 × 8004 × 8004 |       |               |

|       |  |       |                     |
|-------|--|-------|---------------------|
| (190) | $9999 \times 9999 \times 9999 \times 9999$ | (229) | $69211 \times 5750$ |
| (191) | $37219678 \times 907006$                   | (230) | „ $\times 1850$     |
| (192) | $8219543 \times 700761$                    | (231) | „ $\times 1625$     |
| (193) | $7051136 \times 903106$                    | (232) | $48211 \times 168$  |
| (194) | $6644585 \times 437980$                    | (233) | „ $\times 324$      |
| (195) | $7040957 \times 900700$                    | (234) | „ $\times 8016$     |
| (196) | $6789123 \times 721369$                    | (235) | „ $\times 968$      |
| (197) | $5947687 \times 956072$                    | (236) | „ $\times 847$      |
| (198) | $6784365 \times 446709$                    | (237) | $79306 \times 505$  |
| (199) | $8097653 \times 580039$                    | (238) | „ $\times 903$      |
| (200) | $9927869 \times 796030$                    | (239) | „ $\times 186$      |
| (201) | $47031 \times 25$                          | (240) | „ $\times 7212$     |
| (202) | „ $\times 250$                             | (241) | „ $\times 5511$     |
| (203) | „ $\times 50$                              | (242) | $49607 \times 819$  |
| (204) | „ $\times 20$                              | (243) | „ $\times 729$      |
| (205) | „ $\times 75$                              | (244) | „ $\times 213$      |
| (206) | „ $\times 125$                             | (245) | „ $\times 444$      |
| (207) | $379601 \times 500$                        | (246) | „ $\times 648$      |
| (208) | „ $\times 125$                             | (247) | $79382 \times 8811$ |
| (209) | „ $\times 75$                              | (248) | „ $\times 819$      |
| (210) | „ $\times 625$                             | (249) | „ $\times 963$      |
| (211) | „ $\times 375$                             | (250) | „ $\times 567$      |
| (212) | $49067 \times 250$                         | (251) | „ $\times 497$      |
| (213) | „ $\times 675$                             | (252) | $56038 \times 1188$ |
| (214) | „ $\times 1250$                            | (253) | „ $\times 2360$     |
| (215) | „ $\times 5000$                            | (254) | „ $\times 605$      |
| (216) | „ $\times 12500$                           | (255) | „ $\times 728$      |
| (217) | $92684 \times 625$                         | (256) | „ $\times 546$      |
| (218) | „ $\times 750$                             | (257) | $721306 \times 125$ |
| (219) | „ $\times 375$                             | (258) | „ $\times 625$      |
| (220) | „ $\times 225$                             | (259) | „ $\times 12500$    |
| (221) | „ $\times 1750$                            | (260) | „ $\times 750$      |
| (222) | $47076 \times 250$                         | (261) | „ $\times 8125$     |
| (223) | „ $\times 9250$                            | (262) | $47291 \times 324$  |
| (224) | „ $\times 1750$                            | (263) | „ $\times 486$      |
| (225) | „ $\times 450$                             | (264) | „ $\times 546$      |
| (226) | „ $\times 525$                             | (265) | „ $\times 427$      |
| (227) | $69211 \times 325$                         | (266) | „ $\times 5490$     |
| (228) | „ $\times 475$                             | (267) | $83294 \times 8750$ |

|       |              |       |              |
|-------|--------------|-------|--------------|
| (268) | 83294 × 4970 | (285) | 4721 × 25    |
| (269) | „ × 1375     | (286) | „ × 99       |
| (270) | „ × 426      | (287) | „ × 8190     |
| (271) | „ × 847      | (288) | „ × 56284    |
| (272) | 4095 × 8421  | (289) | 4315 × 9300  |
| (273) | „ × 357      | (290) | „ × 56700    |
| (274) | „ × 9680     | (291) | „ × 639      |
| (275) | „ × 3240     | (292) | „ × 110555   |
| (276) | „ × 1550     | (293) | „ × 4411     |
| (277) | 8724 × 1560  | (294) | 8729 × 36186 |
| (278) | „ × 28567    | (295) | „ × 4080     |
| (279) | „ × 42217    | (296) | „ × 13212    |
| (280) | „ × 35700    | (297) | „ × 84213    |
| (281) | „ × 999      | (298) | „ × 99999    |
| (282) | „ × 2790     | (299) | 14207 × 125  |
| (283) | „ × 48600    | (300) | „ × 98497    |
| (284) | „ × 2550     |       |              |

(301) Find the difference of 36 times 35 and 35 times 34.

(302) Find the sum of  $9887 + 9887 + 9887 + 9887 + 9887$ .

(303) Multiply seventy six thousand and three by three hundred and nine.

(304) If an acre of land contains 4840 square yards, how many yards are there in 17 acres?

(305) Find the cost of 18 tons of iron at £7 per ton.

(306) Wheat is sold at £3 per quarter; what is the value of 93 quarters?

(307) Multiply 30 times 79 by 43 times 114.

(308) How many added to 36 times 73 will give 3000?

(309) How far will a train travelling 45 miles an hour run in 8 hours if an hour is consumed in stoppages?

(310) What is the cost of a barrel containing 36 gallons of ale at 2s. a gallon?

(311) What is the weight of a train of 18 trucks each weighing 14 tons and an engine weighing 65 tons?

- (312) Multiply 309975 by 3897.
- (313) There are 1760 yards in a mile: how far has a man to go to complete 5 miles if he has already walked 3 miles and 128 yards?
- (314) How many feet of fencing is required for seven fields each 4729 feet round?
- (315) If in each of 58 barrels there are 36 gallons, how many gallons in all?
- (316) A box contained 198 oranges; how many oranges are there in 326 such boxes?
- (317) Add  $476 + 369 + 817$  and multiply the sum by 23.
- (318) Each of the 40 counties of England contains one with the other 686591 people. What is the population of England?
- (319) How many is  $769 \times 358 \times 501$ ?
- (320) Each of 17 workmen earns £3 per week. What sum will pay them for a year, there being 52 weeks in a year?
- (321) How many is 3 score and 7 multiplied by 71?
- (322) Multiply 497 by 4 dozen and 6.
- (323) Find the continued product 2.3.4.5.6.7.8 and 9.
- (324) How many hours are there in 365 days, if each day has 24 hours?
- (325) How many hours are there in 6 weeks and 5 days?
- (326) Subtract 3969 from 10000 and multiply the remainder by 87.
- (327) Find the product of  $37 \times 27 \times 111$ .
- (328) To what sum does 91 times £335 amount?
- (329) Sold 23 horses at £61 each, 29 at £87 each, and 46 at £37 each: to how much money does this amount?
- (330) *A* has 3 times £28 and pays *B* £42, *B* has 4 times £29 and pays *A* £36. How much has one more than the other?
- (331) Multiply 34968 by 1300006.
- (332) Find the value of  $376 + 596 - 387 + 226 - 138$ , and multiply the result by 490.

- (333) Find the weight of 106 chests of tea each 96 lbs.
- (334) How many matches are there in 337 boxes each containing 125?
- (335) From the sum of  $363 + 598 + 198$  take 3 times 179, and multiply the result by 114.
- (336) If 87 times 49 be taken away from five thousand four hundred and six, how many will remain?
- (337) There are 112 lbs. in a hundredweight of coal: how many lbs. in 19 hundredweights and 13 lbs.?
- (338) Multiply 37 times 27 by 8100.
- (339) A book has 375 pages, 36 lines on a page and 83 letters in a line: how many letters in the whole book?
- (340) How many lines are there in a copy-book of 12 leaves if each page has 9 lines?
- (341) What number is 6 times the product of  $1096 \times 18$ ?
- (342) The engines on a railway consume 1573 tons of coke daily: how many tons will last them a year (365 days)?
- (343) If 1323116 letters pass through the post daily, how many is that in a year?
- (344) How many yards of cloth are there in 37 bundles, each bundle containing 27 pieces and each piece 150 yards?
- (345) Find the continued product of 8, 25, 40 and 125.
- (346) After subtracting 1470 twenty nine times from half a million, what remains?
- (347) Multiply 3809 times 3808 by 3807.
- (348) Find the value of  $496 + 729 + 315 - 1368$ , multiplied by 33.
- (349) From 114 times 3369 take 11 times the product of  $159 \times 36$ .
- (350) If 36 shares in a railway worth £139 each, and 114 shares valued at £79 be sold, and the proceeds applied to the purchase of 40 houses at £350 each, what sum would remain?

## SIMPLE DIVISION.

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| (1) 2916438 ÷ 2   | (31) 99875031 ÷ 8 | (61) 7146213 ÷ 40 |
| (2) " ÷ 3         | (32) " ÷ 9        | (62) " ÷ 50       |
| (3) " ÷ 4         | (33) 52163847 ÷ 2 | (63) " ÷ 60       |
| (4) " ÷ 5         | (34) " ÷ 3        | (64) " ÷ 70       |
| (5) " ÷ 6         | (35) " ÷ 4        | (65) " ÷ 80       |
| (6) " ÷ 7         | (36) " ÷ 5        | (66) " ÷ 90       |
| (7) " ÷ 8         | (37) " ÷ 6        | (67) 3916476 ÷ 16 |
| (8) " ÷ 9         | (38) " ÷ 7        | (68) " ÷ 25       |
| (9) 75061382 ÷ 2  | (39) " ÷ 8        | (69) " ÷ 35       |
| (10) " ÷ 3        | (40) " ÷ 9        | (70) " ÷ 81       |
| (11) " ÷ 4        | (41) 31020761 ÷ 2 | (71) " ÷ 56       |
| (12) " ÷ 5        | (42) " ÷ 3        | (72) 8213964 ÷ 15 |
| (13) " ÷ 6        | (43) " ÷ 4        | (73) " ÷ 18       |
| (14) " ÷ 7        | (44) " ÷ 5        | (74) " ÷ 24       |
| (15) " ÷ 8        | (45) " ÷ 6        | (75) " ÷ 14       |
| (16) " ÷ 9        | (46) " ÷ 7        | (76) " ÷ 36       |
| (17) 47316928 ÷ 2 | (47) " ÷ 8        | (77) 2156903 ÷ 49 |
| (18) " ÷ 3        | (48) " ÷ 9        | (78) " ÷ 72       |
| (19) " ÷ 4        | (49) " ÷ 10       | (79) " ÷ 84       |
| (20) " ÷ 5        | (50) 82151583 ÷ 2 | (80) " ÷ 110      |
| (21) " ÷ 6        | (51) " ÷ 3        | (81) " ÷ 50       |
| (22) " ÷ 7        | (52) " ÷ 4        | (82) 5713860 ÷ 21 |
| (23) " ÷ 8        | (53) " ÷ 5        | (83) " ÷ 54       |
| (24) " ÷ 9        | (54) " ÷ 6        | (84) " ÷ 99       |
| (25) 99875031 ÷ 2 | (55) " ÷ 7        | (85) " ÷ 63       |
| (26) " ÷ 3        | (56) " ÷ 8        | (86) " ÷ 108      |
| (27) " ÷ 4        | (57) " ÷ 9        | (87) 8414948 ÷ 42 |
| (28) " ÷ 5        | (58) " ÷ 10       | (88) " ÷ 66       |
| (29) " ÷ 6        | (59) 7146213 ÷ 20 | (89) " ÷ 81       |
| (30) " ÷ 7        | (60) " ÷ 30       | (90) " ÷ 144      |

|       |             |      |       |             |     |
|-------|-------------|------|-------|-------------|-----|
| (91)  | 8414948 ÷   | 27   | (130) | 790613825 ÷ | 23  |
| (92)  | 7146031 ÷   | 64   | (131) | ” ÷         | 29  |
| (93)  | ” ÷         | 121  | (132) | ” ÷         | 31  |
| (94)  | ” ÷         | 120  | (133) | ” ÷         | 47  |
| (95)  | ” ÷         | 32   | (134) | ” ÷         | 53  |
| (96)  | ” ÷         | 56   | (135) | ” ÷         | 79  |
| (97)  | 5621103 ÷   | 77   | (136) | ” ÷         | 83  |
| (98)  | ” ÷         | 64   | (137) | 926104513 ÷ | 37  |
| (99)  | ” ÷         | 81   | (138) | ” ÷         | 89  |
| (100) | ” ÷         | 108  | (139) | ” ÷         | 97  |
| (101) | ” ÷         | 28   | (140) | ” ÷         | 51  |
| (102) | 4461387 ÷   | 18   | (141) | ” ÷         | 86  |
| (103) | ” ÷         | 21   | (142) | ” ÷         | 76  |
| (104) | ” ÷         | 22   | (143) | ” ÷         | 103 |
| (105) | ” ÷         | 96   | (144) | ” ÷         | 123 |
| (106) | ” ÷         | 132  | (145) | ” ÷         | 217 |
| (107) | 7153961 ÷   | 75   | (146) | ” ÷         | 71  |
| (108) | ” ÷         | 105  | (147) | 371321617 ÷ | 613 |
| (109) | ” ÷         | 98   | (148) | ” ÷         | 439 |
| (110) | ” ÷         | 144  | (149) | ” ÷         | 546 |
| (111) | ” ÷         | 512  | (150) | ” ÷         | 729 |
| (112) | 8471635 ÷   | 140  | (151) | ” ÷         | 113 |
| (113) | ” ÷         | 175  | (152) | 58469613 ÷  | 441 |
| (114) | ” ÷         | 180  | (153) | ” ÷         | 961 |
| (115) | ” ÷         | 192  | (154) | ” ÷         | 308 |
| (116) | ” ÷         | 126  | (155) | ” ÷         | 139 |
| (117) | 6901213 ÷   | 840  | (156) | ” ÷         | 193 |
| (118) | ” ÷         | 1008 | (157) | 70213169 ÷  | 473 |
| (119) | ” ÷         | 960  | (158) | ” ÷         | 886 |
| (120) | ” ÷         | 462  | (159) | ” ÷         | 947 |
| (121) | ” ÷         | 240  | (160) | ” ÷         | 314 |
| (122) | 2159063 ÷   | 729  | (161) | ” ÷         | 713 |
| (123) | ” ÷         | 189  | (162) | 61201793 ÷  | 806 |
| (124) | ” ÷         | 441  | (163) | ” ÷         | 795 |
| (125) | ” ÷         | 432  | (164) | ” ÷         | 446 |
| (126) | ” ÷         | 625  | (165) | ” ÷         | 718 |
| (127) | 790613825 ÷ | 13   | (166) | ” ÷         | 553 |
| (128) | ” ÷         | 17   | (167) | 71903864 ÷  | 83  |
| (129) | ” ÷         | 19   | (168) | ” ÷         | 87  |

|       |                 |       |                  |
|-------|-----------------|-------|------------------|
| (169) | 71903864 ÷ 89   | (208) | 596802 ÷ 1100    |
| (170) | 46582113 ÷ 111  | (209) | „ ÷ 5760         |
| (171) | „ ÷ 173         | (210) | „ ÷ 218          |
| (172) | „ ÷ 189         | (211) | 472169 ÷ 5900    |
| (173) | 51647901 ÷ 79   | (212) | „ ÷ 1875         |
| (174) | „ ÷ 59          | (213) | „ ÷ 16230        |
| (175) | „ ÷ 99          | (214) | „ ÷ 11090        |
| (176) | 71620151 ÷ 123  | (215) | „ ÷ 512          |
| (177) | „ ÷ 193         | (216) | 721906 ÷ 440     |
| (178) | „ ÷ 118         | (217) | „ ÷ 8860         |
| (179) | 713061311 ÷ 793 | (218) | „ ÷ 225          |
| (180) | „ ÷ 864         | (219) | „ ÷ 1960         |
| (181) | „ ÷ 773         | (220) | „ ÷ 1728         |
| (182) | 49031702 ÷ 849  | (221) | 591608 ÷ 99      |
| (183) | „ ÷ 663         | (222) | „ ÷ 999          |
| (184) | „ ÷ 979         | (223) | „ ÷ 9999         |
| (185) | 8861594 ÷ 1026  | (224) | „ ÷ 728          |
| (186) | „ ÷ 921         | (225) | „ ÷ 5190         |
| (187) | „ ÷ 5149        | (226) | 4483162 ÷ 592    |
| (188) | 47603136 ÷ 2149 | (227) | „ ÷ 11600        |
| (189) | „ ÷ 847         | (228) | „ ÷ 5780         |
| (190) | „ ÷ 3016        | (229) | „ ÷ 3169         |
| (191) | 39176034 ÷ 5968 | (230) | „ ÷ 34460        |
| (192) | „ ÷ 3916        | (231) | 51980631 ÷ 19890 |
| (193) | 72041358 ÷ 9215 | (232) | „ ÷ 3735         |
| (194) | „ ÷ 7203        | (233) | „ ÷ 6620         |
| (195) | 86043759 ÷ 7128 | (234) | „ ÷ 975          |
| (196) | „ ÷ 3999        | (235) | „ ÷ 448          |
| (197) | 46021307 ÷ 8295 | (236) | 11021031 ÷ 2997  |
| (198) | „ ÷ 4601        | (237) | „ ÷ 1268         |
| (199) | 7391684 ÷ 9999  | (238) | „ ÷ 115700       |
| (200) | „ ÷ 5734        | (239) | „ ÷ 30870        |
| (201) | 3721690 ÷ 57    | (240) | „ ÷ 69380        |
| (202) | „ ÷ 89          | (241) | 1961381 ÷ 125    |
| (203) | „ ÷ 990         | (242) | „ ÷ 250          |
| (204) | „ ÷ 510         | (243) | „ ÷ 500          |
| (205) | „ ÷ 119         | (244) | „ ÷ 18750        |
| (206) | 596802 ÷ 87     | (245) | „ ÷ 1125         |
| (207) | „ ÷ 1002        | (246) | 7284364 ÷ 476    |

|       |                |       |                |
|-------|----------------|-------|----------------|
| (247) | 7284364 ÷ 1482 | (274) | 580844 ÷ 425   |
| (248) | „ ÷ 119        | (275) | „ ÷ 840        |
| (249) | „ ÷ 1119       | (276) | 236916 ÷ 78912 |
| (250) | „ ÷ 358        | (277) | „ ÷ 1760       |
| (251) | 7204561 ÷ 99   | (278) | „ ÷ 1728       |
| (252) | „ ÷ 999        | (279) | „ ÷ 9989       |
| (253) | „ ÷ 9999       | (280) | „ ÷ 9999       |
| (254) | „ ÷ 9990       | (281) | 558844 ÷ 6480  |
| (255) | „ ÷ 9900       | (282) | „ ÷ 5040       |
| (256) | 4721621 ÷ 25   | (283) | „ ÷ 512        |
| (257) | „ ÷ 50         | (284) | „ ÷ 5670       |
| (258) | „ ÷ 75         | (285) | „ ÷ 729        |
| (259) | „ ÷ 125        | (286) | 456835 ÷ 250   |
| (260) | „ ÷ 500        | (287) | „ ÷ 475        |
| (261) | 4921608 ÷ 125  | (288) | „ ÷ 225        |
| (262) | „ ÷ 675        | (289) | „ ÷ 350        |
| (263) | „ ÷ 525        | (290) | „ ÷ 488        |
| (264) | „ ÷ 6750       | (291) | 4903126 ÷ 189  |
| (265) | „ ÷ 1625       | (292) | „ ÷ 1857       |
| (266) | 9021363 ÷ 540  | (293) | „ ÷ 219        |
| (267) | „ ÷ 630        | (294) | „ ÷ 365        |
| (268) | „ ÷ 888        | (295) | „ ÷ 730        |
| (269) | „ ÷ 968        | (296) | 5916021 ÷ 125  |
| (270) | „ ÷ 14150      | (297) | „ ÷ 999        |
| (271) | 580844 ÷ 99    | (298) | „ ÷ 15063      |
| (272) | „ ÷ 999        | (299) | „ ÷ 7209       |
| (273) | „ ÷ 175        | (300) | „ ÷ 84007      |

(301) How often is 98 contained in 98980 ?

(302) From the third part of 4791 take 1148.

(303) How often may 903 be taken from ten millions five hundred and sixty eight thousand seven hundred and twelve ?

(304) What number is that which divided by 269 gives 47903 as quotient ?

(305) How many times is 1179 contained in 87690315 ?

(306) What is the 24th part of £19296 ?

(307) If £30311 be divided into 17 equal parts, what is the amount of one?

(308) How many dozens of wine are there in 879576 bottles?

(309) In 1728 scores how many dozens?

(310) The death rate of a town containing 120000 people is 22 per thousand in the year. How many remain?

(311) How many times is 37 contained in 999999?

(312) Sound travels at the rate of 1132 feet a second: how long would it take to travel 5660 feet?

(313) Find the value of  $306 + 90571 \div 28$ .

(314) Find the continued product of 71, 86, 19 and 34, and divide the result by the third part of 69.

(315) A certain number on being divided by 987 gives 436 as quotient and 23 remainder; what is the number?

(316) If the dividend be 1130787 and the quotient 12159, what is the divisor?

(317) If the divisor be 394, the quotient 495 and the remainder 33, what is the dividend?

(318) How many times may 377 be subtracted from 3808077?

(319) How many hundred-weights of coal each weighing 112 lbs. (pounds) are there in 50 tons, each weighing 2240 lbs.?

(320) A quantity of blue serge contained in 98 pieces of 69 yards each, is given out to make up into clothing for 729 sailors. If each man has an exact number of yards, how many will be returned?

(321) Find the number of quarters in 7023 pecks, if each quarter contains eight bushels of four pecks each.

(322) Divide 5906 into three parts so that one shall be £03 more than either of the others.

(323) How many tons of hay at 9 half-sovereigns the ton may be bought for £261?

(324) From 318015 take 4968, and divide the remainder into 9 equal parts.

- (325) Find the 48th part of 477 times 192.
- (326) A barrel of ale contains 36 gallons each 8 pints. How many dozen pint bottles may be filled from it?
- (327) Multiply the thirty seventh part of 9990 by 13 times the third part of 48.
- (328) Find the sum of the sum, difference, product and quotient of 667 and 29.
- (329) The expense of cutting a road was £11963, and of making a bridge £4768, and is to be borne equally by nine parishes. What is the share of each parish?
- (330) How many times is £17 contained in £459?
- (331) Divide 30401 by 301 and multiply the result by 399.
- (332) How many times 4791 is 4853283?
- (333) What number multiplied by 789 will produce 3771420?
- (334) How many pounds of sugar at 5*d.* can be bought for 330 pence?
- (335) *A* and *B* started from the same place going in the same direction; *A* travelled on horseback 51940 feet, while *B* on foot went one-fourth of the distance: how far were they then apart?
- (336) How many gallons of whiskey at 23*s.* per gallon may be bought for 621*s.*?
- (337) Divide the half of 906138 by the 5th part of 10825.
- (338) From the sum of 5367 + 1926 + 899 take 4791, and divide the remainder by 13.
- (339) How many gross are there in 37 dozen, 15 score, and 8 times 15 articles?
- (340) The attendance at a school was 946 on Monday, 819 on Tuesday, 920 on Wednesday, 897 on Thursday, and 888 on Friday: what was the average number for the five days?
- (341) Four sorts of brandy at 28*s.*, 32*s.*, 29*s.* and 43*s.* per gallon are blended in equal quantities: at what price per gallon should the mixture be sold?

(342) If the quotient be 49769 and divisor 362, what is the dividend ?

(343) If the dividend be 9096256 and the quotient 3016, what is the divisor ?

(344) Divide 43813578 by three times the half of 292.

(345) What number is contained 3169 times in 128991450, leaving a remainder of 474 ?

(346) Find the value of 7 times £314 + 5 times £468 - 6 times £48; and divide the result by 5.

(347) John has 100 marbles; if he had 8 more he would have exactly six times as many as the half of what Henry has: how many has Henry ?

(348) Divide 900 into two parts so that one may be 62 more than the other.

(349) Which is the greater, and by how many; 34 times 27, or the 37th part of 999999 ?

(350) What number less than 365 added to 730320 will make the number exactly divisible by 365 ?

## REDUCTION OF MONEY.

- |      |        |           |                 |                |
|------|--------|-----------|-----------------|----------------|
| (1)  | Reduce | £13       | to shillings.   |                |
| (2)  | „      | £19. 16   | 0               | to shillings.  |
| (3)  | „      | £17. 13   | 0               | „              |
| (4)  | „      | £103. 19  | 0               | „              |
| (5)  | „      | £7. 2     | 6               | to pence.      |
| (6)  | „      | £9. 9.    | 8               | „              |
| (7)  | „      | £13. 12.  | 7               | „              |
| (8)  | „      | £19. 16.  | 4               | „              |
| (9)  | „      | £116. 14. | 4               | „              |
| (10) | „      | £73. 12.  | 5               | „              |
| (11) | „      | £5. 0.    | 11              | „              |
| (12) | „      | £3. 6.    | 8               | to half-pence. |
| (13) | „      | £4. 7.    | $6\frac{1}{2}$  | „              |
| (14) | „      | £0. 13.   | $5\frac{1}{2}$  | „              |
| (15) | „      | £19. 0.   | $9\frac{1}{4}$  | to farthings.  |
| (16) | „      | £3. 17.   | $10\frac{1}{2}$ | „              |
| (17) | „      | £4. 3.    | $5\frac{1}{4}$  | „              |
| (18) | „      | £6. 16.   | $10\frac{3}{4}$ | „              |
| (19) | „      | £17. 13.  | $9\frac{1}{4}$  | „              |
| (20) | „      | £9. 11.   | $10\frac{1}{2}$ | „              |
| (21) | „      | £8. 13.   | $7\frac{3}{4}$  | „              |
| (22) | „      | £114. 7.  | $9\frac{1}{2}$  | „              |
| (23) | „      | £38. 6.   | $9\frac{3}{4}$  | „              |
| (24) | „      | £111. 0.  | $9\frac{1}{4}$  | „              |
| (25) | „      | £92. 8.   | $0\frac{1}{2}$  | „              |
| (26) | „      | £17. 7.   | 6               | to pence.      |
| (27) | „      | £3. 0.    | 3               | „              |
| (28) | „      | £1. 19.   | $5\frac{1}{2}$  | to half-pence. |
| (29) | „      | £6. 13.   | 2               | „              |
| (30) | „      | £108. 16. | $4\frac{1}{2}$  | „              |

- (31) Reduce £7. 7. 6 to sixpences.  
 (32) " £8. 9. 9 " threepences.  
 (33) " £5. 8. 4 " pence.  
 (34) " £17. 4. 8 " fourpences.  
 (35) " £9. 16. 9 " threepences.  
 (36) " £0. 19. 4 " twopences.  
 (37) " £19. 9. 4 " fourpences.  
 (38) " £7. 3. 8 " "  
 (39) " £6. 16. 0 " "  
 (40) " £0. 18. 9 " threepences.  
 (41) " £7. 14. 0 " florins.  
 (42) " £8. 16. 0 " "  
 (43) " £19. 10. 0 " crowns.  
 (44) " £3. 15. 0 " half-crowns.  
 (45) " £7. 16. 9 " threepences.  
 (46) " £8. 7. 6 " half-crowns.  
 (47) " £108. 11. 1 " pence.  
 (48) " £109. 12. 6 " half-crowns.  
 (49) " £53. 18. 0 " florins.  
 (50) " £76. 13. 2½ " farthings.  
 (51) " 496 shillings to pounds.  
 (52) " 319 " "  
 (53) " 407 " "  
 (54) " 862 pence to shillings.  
 (55) " 1037 " "  
 (56) " 92864 " pounds.  
 (57) " 71596 " "  
 (58) " 30624 " "  
 (59) " 1996 " "  
 (60) " 54362 " "  
 (61) " 70213 " "  
 (62) " 69446 half-pence to pounds.  
 (63) " 3062 " "  
 (64) " 1969 " "  
 (65) " 72131 farthings to pounds.  
 (66) " 68324 " "  
 (67) " 40316 " "  
 (68) " 17291 " "  
 (69) " 308162 " "

|       |                                      |
|-------|--------------------------------------|
| (70)  | Reduce 590001 farthings to pounds.   |
| (71)  | „ 39161 pence to half-crowns.        |
| (72)  | „ 17003 „ half-sovereigns.           |
| (73)  | „ 9605 „ crowns.                     |
| (74)  | „ 17111 „ guineas.                   |
| (75)  | „ 9037 „ half-guineas.               |
| (76)  | „ 70391 farthings to pounds, &c.     |
| (77)  | „ 3363 „ „                           |
| (78)  | „ 1962 „ „                           |
| (79)  | „ 7026 „ half-sovereigns.            |
| (80)  | „ 1156 „ crowns.                     |
| (81)  | „ 96002 „ guineas.                   |
| (82)  | „ 11110 florins to farthings.        |
| (83)  | „ 9463 half-crowns to pence.         |
| (84)  | „ 7156 crowns to half-pence.         |
| (85)  | „ 2999 pence to pounds.              |
| (86)  | „ 7000 farthings to half-sovereigns. |
| (87)  | „ 1369 sixpences to pounds, &c.      |
| (88)  | „ 94416 „ half-guineas.              |
| (89)  | „ 7135 „ half-crowns.                |
| (90)  | „ 2009 „ guineas.                    |
| (91)  | „ 3184 half-crowns to pounds.        |
| (92)  | „ 1144 „ „                           |
| (93)  | „ 1318 „ half-sovereigns.            |
| (94)  | „ 962 florins to pounds.             |
| (95)  | „ 1306 shillings to guineas.         |
| (96)  | „ 1399 threepences to pounds.        |
| (97)  | „ 3086 „ guineas.                    |
| (98)  | „ 796 „ half-sovereigns.             |
| (99)  | „ 596 fourpences to shillings.       |
| (100) | „ 739 „ crowns.                      |
| (101) | „ 1877 „ pounds.                     |
| (102) | „ 962 „ guineas.                     |
| (103) | „ 1026 sixpences to half-crowns.     |
| (104) | „ 319 farthings to sixpences.        |
| (105) | „ 4320 threepences to fourpences.    |
| (106) | „ 702 half-sovereigns to guineas.    |
| (107) | „ 394 crowns to guineas.             |
| (108) | „ 3159 sevenpences to pounds, &c.    |

|       |        |  |                   |   |   |
|-------|--------|--|-------------------|---|---|
| (109) | Reduce | 729 crowns                             | to florins.       |   |   |
| (110) | „      | 384 half-crowns                        | to shillings.     |   |   |
| (111) | „      | 4199 fourpences                        | to sixpences.     |   |   |
| (112) | „      | £31. 10. 6                             | to sixpences.     |   |   |
| (113) | „      | £15. 19. 6                             | „                 |   |   |
| (114) | „      | £3. 18. 4                              | to fourpences.    |   |   |
| (115) | „      | £21. 10. 6                             | to half-guineas.  |   |   |
| (116) | „      | 3794 sixpences                         | to half-guineas.  |   |   |
| (117) | „      | 9215 half-crowns                       | to pounds.        |   |   |
| (118) | „      | 7021 shillings                         | to pounds.        |   |   |
| (119) | „      | 1196 pence                             | to guineas.       |   |   |
| (120) | „      | 3041 guineas                           | to account money. |   |   |
| (121) | „      | 1963                                   | „                 | „ | „ |
| (122) | „      | 7216 half-guineas                      | „                 | „ | „ |
| (123) | „      | 1159                                   | „                 | „ | „ |
| (124) | „      | 3864                                   | „                 | „ | „ |
| (125) | „      | 588 crowns                             | „                 | „ | „ |
| (126) | „      | 196                                    | „                 | „ | „ |
| (127) | „      | 785 half-crowns                        | „                 | „ | „ |
| (128) | „      | 9095 sixpences                         | „                 | „ | „ |
| (129) | „      | 372 threepences                        | „                 | „ | „ |
| (130) | „      | 906                                    | „                 | „ | „ |
| (131) | „      | 472 fourpences                         | „                 | „ | „ |
| (132) | „      | 319                                    | „                 | „ | „ |
| (133) | „      | 1157 fivepences                        | „                 | „ | „ |
| (134) | „      | 691 florins                            | „                 | „ | „ |
| (135) | „      | 999                                    | „                 | „ | „ |
| (136) | „      | 713 groats (4 <i>d.</i> )              | „                 | „ | „ |
| (137) | „      | 397                                    | „                 | „ | „ |
| (138) | „      | 10316 testers (6 <i>d.</i> )           | „                 | „ | „ |
| (139) | „      | 7219                                   | „                 | „ | „ |
| (140) | „      | 480 nobles (6 <i>s.</i> 8 <i>d.</i> )  | „                 | „ | „ |
| (141) | „      | 1760                                   | „                 | „ | „ |
| (142) | „      | 442                                    | „                 | „ | „ |
| (143) | „      | 630 angels (10 <i>s.</i> )             | „                 | „ | „ |
| (144) | „      | 998                                    | „                 | „ | „ |
| (145) | „      | 1759 merks (13 <i>s.</i> 4 <i>d.</i> ) | „                 | „ | „ |
| (146) | „      | 3461                                   | „                 | „ | „ |
| (147) | „      | 1026                                   | „                 | „ | „ |

|       |        |                                       |                           |   |   |
|-------|--------|---------------------------------------|---------------------------|---|---|
| (148) | Reduce | 796 merks (13s. 4d.)                  | to account money.         |   |   |
| (149) | "      | 429 moidores (27s.)                   | "                         | " |   |
| (150) | "      | 372                                   | "                         | " | " |
| (151) | "      | 7019 francs (each 9½d.)               | "                         | " |   |
| (152) | "      | 1394                                  | "                         | " | " |
| (153) | "      | 1795                                  | "                         | " | " |
| (154) | "      | 40000                                 | "                         | " | " |
| (155) | "      | 3000 dollars (each 4s. 2d.)           | "                         | " |   |
| (156) | "      | 17693                                 | "                         | " | " |
| (157) | "      | 3146                                  | "                         | " | " |
| (158) | "      | 1500 cents (each ½d.)                 | "                         | " |   |
| (159) | "      | 31570                                 | "                         | " | " |
| (160) | "      | 2916157                               | "                         | " | " |
| (161) | "      | £1000                                 | to dollars.               |   |   |
| (162) | "      | £7219. 17. 6                          | to cents.                 |   |   |
| (163) | "      | £209. 13. 4                           | to nobles.                |   |   |
| (164) | "      | £713. 18. 4                           | to dollars and cents.     |   |   |
| (165) | "      | £931. 17. 6½                          | "                         | " |   |
| (166) | "      | 3096 groats                           | to testers.               |   |   |
| (167) | "      | 4196 nobles                           | to merks.                 |   |   |
| (168) | "      | 3000 silver roubles (each 3s. 1½d.)   | to account money.         |   |   |
| (169) | "      | 75032                                 | "                         | " | " |
| (170) | "      | 96003                                 | "                         | " | " |
| (171) | "      | 4500 piastres (each 2½d.)             | "                         | " | " |
| (172) | "      | 1926                                  | "                         | " | " |
| (173) | "      | 730626                                | "                         | " | " |
| (174) | "      | 4021 ducats (each 3s. 4d.)            | "                         | " | " |
| (175) | "      | 19261                                 | "                         | " | " |
| (176) | "      | 7295                                  | "                         | " | " |
| (177) | "      | 52009 rupees (each 2s.)               | "                         | " | " |
| (178) | "      | 4725                                  | "                         | " | " |
| (179) | "      | 9000 Calcutta rupees (each 1s. 11¾d.) | "                         | " | " |
| (180) | "      | 26721                                 | "                         | " | " |
| (181) | "      | 47295                                 | "                         | " | " |
| (182) | "      | 3132 Sicca rupees (each 2s. 0¾d.)     | "                         | " | " |
| (183) | "      | 59213                                 | "                         | " | " |
| (184) | "      | 70300                                 | "                         | " | " |
| (185) | "      | 10000 groats                          | to English account money. |   |   |
| (186) | "      | "                                     | testers                   | " | " |

- (187) Reduce 10000 nobles to English account money.  
 (188) " " angels " " "  
 (189) " " merks " " "  
 (190) " " moidores " " "  
 (191) " " francs " " "  
 (192) " " cents " " "  
 (193) " " dollars " " "  
 (194) " " silver roubles " "  
 (195) " " piastres " " "  
 (196) " " Calcutta rupees " "  
 (197) " " Sicca rupees " " "  
 (198) " £100. 8. 0 to francs (25 f. = £1 sterling).  
 (199) " £316. 17. 6 to dollars.  
 (200) " £5000 to piastres.

(201) How many farthings are there in two-and-a-half guineas, three half-sovereigns, two shillings, and ninepence half-penny?

(202) A person exchanges £25. 4. 0 for francs at the rate of 25 francs for the £ sterling: how many ought he to receive?

(203) Reduce 1093 pence to pounds, &c.

(204) How many guineas are there in 30 times 42 pence?

(205) Find the sum of  $306 + 298 + 5071 + 389$  farthings, and reduce the result to pounds, &c.

(206) Find the amount in account money of 3 half-guineas, 5 half-crowns, 19 florins, 14 sixpences, and  $13\frac{1}{2}$  pence.

(207) Reduce 30112 half-pence to half-sovereigns.

(208) How many half-crowns are there in £3 + 18 crowns + 31 shillings + 18 pence?

(209) By how many pence is £11. 12. 11 more than 186 shillings and fourpence?

(210) How many rupees, each worth 1s.  $9\frac{1}{4}d.$ , may be obtained in exchange for £8500?

(211) How many sixpences are there in 93 times 109 fourpences?

(212) How many times is 3s. 4d. contained in 20 guineas?

(213) How many shillings are there in 11400 times three half-pence ?

(214) Reduce the sum of £5, 5 guineas, 5 half-guineas, 5 half-crowns, 5 shillings and 5 pence, to farthings.

(215) Reduce £17. 10. 10 to half-pence.

(216) How many times is tenpence contained in £5. 10. 0 ?

(217) *A* has £2. 10. 0, *B* 1304 pence : how much has *B* more than *A* ?

(218) At 7*d.* a day, what amount in a year of 365 days ?

(219) Three hundred and twelve thousand one hundred and six copies of a penny newspaper were sold : what amount was realised ?

(220) How many threepenny postage stamps may be purchased for thirty shillings and ninepence ?

(221) Two workmen, *A* and *B*, are paid 8*d.* an hour each ; *A* receives £2. 10. 0 and *B* £1. 18. 8 : how many hours has *A* worked more than *B* ?

(222) If there are 30 millions of people in England and Wales, what would a tax of a penny per head produce ?

(223) What sum would be paid for 3013 penny postage stamps ?

(224) What sum was paid by 29111 visitors to the Crystal Palace, each paying half-a-crown ?

(225) Paying 3*s.* 6*d.* each, how many persons dined for 3½ guineas ?

(226) Reduce 2013 piastres, each 2½*d.*, to English money.

(227) Reduce to account money the sum of 13 half-sovereigns, 13 crowns, and 13 fourpences.

(228) What is the cost of 313 copies of a work at a crown per copy ?

(229) How many children at 9*d.* per head, can be admitted to an exhibition for the sum of 15*s.* ?

(230) How many times is 2*s.* 3½*d.* contained in £2. 15. 0 ?

(231) If 1311 vehicles pay a toll of 2*d.* each daily, what amount would be collected in a week ?

(232) If 79061 passengers book daily at Moorgate Street for Farringdon Street, paying  $1d.$  each, what would their united fares amount to in six days?

(233) Reduce  $\text{£}79. 0. 11\frac{1}{4}$  to farthings.

(234) How many times is three-farthings contained in  $7s. 5\frac{1}{4}d.$ ?

(235) How many times is  $2\frac{1}{2}d.$  contained in  $\text{£}1. 5. 0$ ?

(236) The Roman penny was worth  $7\frac{1}{2}d.$  of our present coinage: how many such pennies are contained in  $\text{£}30$  English money?

(237) Find the money value of seven dozen penny loaves.

(238) What would be the cost of repairing  $5\frac{1}{2}$  miles of road (1760 yards to the mile) at a cost of 15 pence per lineal yard?

(239) Find the total cost of  $7\frac{1}{2}$  dozen books at  $3d.$  each,  $3\frac{1}{4}$  dozen at sixpence each, and 5 dozen pens at  $\frac{1}{2}d.$  each.

(240) Reduce 5000 roubles, each  $2s. 5\frac{1}{2}d.$ , to English money.

(241) How many articles at  $4d.$  each may be bought for  $\text{£}21. 1. 8$ ?

(242) How many times is  $3s. 9d.$  contained in  $\text{£}47. 8. 9$ ?

(243) What will a rate of  $3d.$  in the  $\text{£}$  produce on property valued at  $\text{£}70107$ ?

(244) Reduce  $\text{£}10. 17. 6$  to sixpences.

(245) Find the cost of 709 panes of glass at  $7d.$  per pane.

(246) What is the cost of gilding a sign containing 113 letters at  $1\frac{3}{4}d.$  per letter?

(247) Reduce 4903 merks, each  $13s. 4d.$ , to English account money.

(248) Reduce the sum of  $\text{£}24 + \text{£}6. 10. 0 + \text{£}5. 18. 0 + \text{£}19. 12. 0$  to florins.

(249) Reduce 109103 threepences to  $\text{£}s.$

(250). Find the entire cost of  $6\frac{1}{2}$  dozen at  $3d.$  each,  $4\frac{1}{4}$  score at  $5d.$  each, and  $3\frac{1}{2}$  hundred at  $1d.$  each.

## COMPOUND ADDITION.

| (1)  |    |                 | (2)  |    |                 | (3)  |    |                  | (4)  |    |                 | (5)  |    |                  |
|------|----|-----------------|------|----|-----------------|------|----|------------------|------|----|-----------------|------|----|------------------|
| £.   | s. | d.              | £.   | s. | d.              | £.   | s. | d.               | £.   | s. | d.              | £.   | s. | d.               |
| 7    | 1  | 9               | 14   | 14 | 5               | 3    | 2  | 6                | 21   | 10 | 6               | 20   | 10 | 10               |
| 2    | 11 | 4               | 3    | 17 | 6               | 8    | 9  | 7                | 22   | 14 | 0               | 33   | 18 | 6                |
| 3    | 13 | 6               | 9    | 18 | 4               | 3    | 17 | 6                | 16   | 11 | 10              | 19   | 15 | 7                |
| 9    | 15 | 8               | 6    | 19 | 4               | 4    | 19 | 5                | 7    | 9  | 8               | 16   | 10 | 8                |
| 17   | 10 | 9               | 3    | 10 | 11              | 7    | 17 | 6                | 15   | 6  | 9               | 72   | 13 | 9                |
| 11   | 11 | 11              | 11   | 10 | 9               | 5    | 12 | 9                | 17   | 13 | 9               | 46   | 12 | 6                |
| 5    | 7  | 6               | 8    | 16 | 8               | 6    | 13 | 7                | 16   | 14 | 7               | 17   | 14 | 2                |
| 8    | 13 | 6               | 7    | 16 | 0               | 8    | 14 | 7                | 15   | 15 | 11              | 5    | 0  | 7                |
| (6)  |    |                 | (7)  |    |                 | (8)  |    |                  | (9)  |    |                 | (10) |    |                  |
| £.   | s. | d.              | £.   | s. | d.              | £.   | s. | d.               | £.   | s. | d.              | £.   | s. | d.               |
| 19   | 10 | 10              | 36   | 10 | 8 $\frac{1}{4}$ | 75   | 16 | 0 $\frac{1}{2}$  | 104  | 6  | 8               | 17   | 12 | 11 $\frac{1}{2}$ |
| 15   | 17 | 6               | 17   | 9  | 6 $\frac{3}{4}$ | 32   | 15 | 6 $\frac{1}{4}$  | 38   | 13 | 4 $\frac{1}{2}$ | 3    | 19 | 6 $\frac{3}{4}$  |
| 3    | 14 | 7 $\frac{1}{2}$ | 9    | 14 | 7 $\frac{3}{4}$ | 84   | 13 | 7 $\frac{1}{2}$  | 37   | 16 | 10              | 18   | 16 | 7                |
| 8    | 16 | 9               | 7    | 15 | 6 $\frac{1}{2}$ | 98   | 0  | 6 $\frac{1}{4}$  | 28   | 14 | 5               | 9    | 14 | 6 $\frac{1}{2}$  |
| 5    | 7  | 6 $\frac{1}{2}$ | 8    | 19 | 6 $\frac{3}{4}$ | 30   | 1  | 4                | 19   | 16 | 7 $\frac{1}{2}$ | 7    | 11 | 10 $\frac{3}{4}$ |
| 4    | 19 | 5 $\frac{1}{4}$ | 9    | 16 | 4 $\frac{1}{2}$ | 69   | 2  | 7 $\frac{1}{2}$  | 38   | 2  | 9 $\frac{1}{4}$ | 5    | 16 | 6                |
| 16   | 17 | 2 $\frac{3}{4}$ | 7    | 0  | 5               | 83   | 7  | 11               | 19   | 12 | 6               | 4    | 17 | 7 $\frac{1}{2}$  |
| 17   | 12 | 10              | 25   | 6  | 9               | 60   | 12 | 10               | 40   | 10 | 10              | 3    | 16 | 6 $\frac{3}{4}$  |
| (11) |    |                 | (12) |    |                 | (13) |    |                  | (14) |    |                 | (15) |    |                  |
| £.   | s. | d.              | £.   | s. | d.              | £.   | s. | d.               | £.   | s. | d.              | £.   | s. | d.               |
| 706  | 13 | 6 $\frac{1}{2}$ | 30   | 0  | 3 $\frac{1}{2}$ | 290  | 11 | 1 $\frac{1}{2}$  | 130  | 13 | 6               | 175  | 12 | 10               |
| 19   | 16 | 7 $\frac{3}{4}$ | 76   | 13 | 0 $\frac{1}{4}$ | 209  | 6  | 10 $\frac{3}{4}$ | 75   | 12 | 7 $\frac{1}{4}$ | 92   | 13 | 7 $\frac{1}{2}$  |
| 18   | 12 | 6               | 18   | 18 | 2               | 72   | 0  | 6                | 69   | 14 | 8 $\frac{1}{2}$ | 86   | 14 | 5 $\frac{1}{4}$  |
| 99   | 16 | 7 $\frac{1}{2}$ | 92   | 14 | 7 $\frac{1}{2}$ | 93   | 12 | 4                | 36   | 17 | 6 $\frac{3}{4}$ | 69   | 13 | 8 $\frac{3}{4}$  |
| 44   | 14 | 4               | 69   | 16 | 9 $\frac{3}{4}$ | 69   | 13 | 6 $\frac{1}{2}$  | 29   | 14 | 6               | 609  | 15 | 5 $\frac{1}{2}$  |
| 38   | 18 | 6 $\frac{3}{4}$ | 47   | 13 | 5               | 5    | 16 | 6 $\frac{3}{4}$  | 256  | 13 | 8 $\frac{1}{4}$ | 37   | 16 | 6                |
| 176  | 15 | 8               | 92   | 16 | 6               | 16   | 17 | 8                | 11   | 10 | 11              | 25   | 12 | 7 $\frac{1}{2}$  |
| 39   | 16 | 10              | 17   | 0  | 7               | 50   | 10 | 2 $\frac{1}{2}$  | 5    | 9  | 6 $\frac{1}{2}$ | 13   | 16 | 6                |

| (16) |    |                  | (17) |    |                  | (18) |                 |                  | (19) |    |                 | (20) |    |                  |
|------|----|------------------|------|----|------------------|------|-----------------|------------------|------|----|-----------------|------|----|------------------|
| £.   | s. | d.               | £.   | s. | d.               | £.   | s.              | d.               | £.   | s. | d.              | £.   | s. | d.               |
| 176  | 19 | 0 $\frac{1}{4}$  | 900  | 9  | 9 $\frac{1}{4}$  | 102  | 0               | 11 $\frac{1}{4}$ | 136  | 6  | 4               | 2701 | 9  | 6 $\frac{1}{4}$  |
| 308  | 16 | 10 $\frac{3}{4}$ | 76   | 19 | 7 $\frac{1}{4}$  | 3    | 9               | 9                | 1024 | 16 | 7 $\frac{1}{2}$ | 926  | 14 | 11 $\frac{1}{2}$ |
| 59   | 17 | 5 $\frac{1}{2}$  | 68   | 13 | 7 $\frac{1}{4}$  | 19   | 2 $\frac{3}{4}$ |                  | 928  | 14 | 6 $\frac{1}{4}$ | 713  | 17 | 10 $\frac{3}{4}$ |
| 189  | 16 | 11 $\frac{1}{2}$ | 196  | 18 | 9 $\frac{1}{4}$  | 16   | 8 $\frac{1}{2}$ |                  | 702  | 13 | 9 $\frac{1}{4}$ | 9284 | 19 | 9 $\frac{1}{2}$  |
| 96   | 13 | 8 $\frac{1}{4}$  | 906  | 13 | 7 $\frac{1}{4}$  | 7    | 19              | 6 $\frac{1}{4}$  | 88   | 16 | 4               | 7568 | 13 | 8 $\frac{1}{4}$  |
| 67   | 14 | 6                | 79   | 17 | 9                | 19   | 19              | 9 $\frac{1}{4}$  | 108  | 5  | 11              | 667  | 17 | 7 $\frac{3}{4}$  |
| 184  | 15 | 9 $\frac{1}{4}$  | 38   | 16 | 4                | 67   | 11              | 1 $\frac{1}{4}$  | 56   | 19 | 7 $\frac{1}{4}$ | 98   | 6  | 6 $\frac{1}{2}$  |
| 38   | 0  | 2                | 102  | 17 | 5 $\frac{1}{2}$  | 303  | 12              | 4 $\frac{1}{2}$  | 906  | 13 | 11              | 888  | 15 | 4 $\frac{1}{4}$  |
| (21) |    |                  | (22) |    |                  | (23) |                 |                  | (24) |    |                 | (25) |    |                  |
| £.   | s. | d.               | £.   | s. | d.               | £.   | s.              | d.               | £.   | s. | d.              | £.   | s. | d.               |
| 1376 | 14 | 7 $\frac{1}{2}$  | 52   | 10 | 0 $\frac{1}{2}$  | 1090 | 13              | 6 $\frac{1}{2}$  | 29   | 16 | 6 $\frac{1}{2}$ | 199  | 16 | 7 $\frac{1}{2}$  |
| 906  | 13 | 6 $\frac{1}{2}$  | 36   | 19 | 6                | 385  | 17              | 4 $\frac{1}{4}$  | 76   | 13 | 7 $\frac{1}{2}$ | 33   | 16 | 11 $\frac{1}{4}$ |
| 35   | 17 | 9 $\frac{1}{4}$  | 18   | 12 | 10 $\frac{1}{2}$ | 176  | 18              | 6 $\frac{3}{4}$  | 92   | 16 | 8               | 706  | 15 | 9 $\frac{1}{4}$  |
| 196  | 18 | 6 $\frac{1}{2}$  | 37   | 10 | 6 $\frac{3}{4}$  | 9026 | 19              | 2 $\frac{3}{4}$  | 177  | 14 | 6               | 169  | 17 | 2 $\frac{1}{2}$  |
| 727  | 8  | 8                | 19   | 17 | 9 $\frac{1}{2}$  | 375  | 17              | 10 $\frac{1}{2}$ | 66   | 13 | 8 $\frac{1}{2}$ | 92   | 13 | 6                |
| 896  | 12 | 4 $\frac{1}{4}$  | 207  | 16 | 8 $\frac{1}{4}$  | 609  | 16              | 9 $\frac{1}{2}$  | 96   | 19 | 6               | 86   | 14 | 9 $\frac{1}{4}$  |
| 5075 | 13 | 2 $\frac{1}{2}$  | 386  | 14 | 4 $\frac{1}{2}$  | 7208 | 13              | 7 $\frac{3}{4}$  | 70   | 0  | 7 $\frac{1}{2}$ | 179  | 16 | 7 $\frac{3}{4}$  |
| 699  | 6  | 8                | 15   | 13 | 3                | 376  | 16              | 4                | 50   | 2  | 6 $\frac{3}{4}$ | 80   | 19 | 6                |
| (26) |    |                  | (27) |    |                  | (28) |                 |                  | (29) |    |                 | (30) |    |                  |
| £.   | s. | d.               | £.   | s. | d.               | £.   | s.              | d.               | £.   | s. | d.              | £.   | s. | d.               |
| 2076 | 13 | 6 $\frac{1}{2}$  | 119  | 0  | 9 $\frac{1}{4}$  | 209  | 6               | 7 $\frac{1}{2}$  | 1000 | 12 | 6 $\frac{1}{2}$ | 921  | 13 | 6 $\frac{1}{4}$  |
| 969  | 17 | 6                | 73   | 1  | 7 $\frac{3}{4}$  | 75   | 17              | 8 $\frac{3}{4}$  | 576  | 15 | 0               | 86   | 14 | 2 $\frac{1}{2}$  |
| 706  | 9  | 2 $\frac{1}{2}$  | 88   | 7  | 8 $\frac{1}{2}$  | 106  | 13              | 9 $\frac{1}{2}$  | 318  | 17 | 6               | 137  | 13 | 4 $\frac{1}{2}$  |
| 38   | 13 | 4 $\frac{1}{2}$  | 66   | 16 | 11 $\frac{1}{4}$ | 98   | 9               | 7 $\frac{1}{2}$  | 400  | 4  | 4 $\frac{1}{2}$ | 66   | 12 | 1 $\frac{1}{2}$  |
| 726  | 16 | 3 $\frac{3}{4}$  | 57   | 3  | 10 $\frac{1}{2}$ | 176  | 13              | 6 $\frac{1}{2}$  | 32   | 1  | 11              | 96   | 13 | 5                |
| 90   | 17 | 9 $\frac{1}{2}$  | 39   | 14 | 6                | 902  | 14              | 7 $\frac{3}{4}$  | 17   | 4  | 9 $\frac{1}{4}$ | 88   | 16 | 4                |
| 880  | 18 | 6 $\frac{1}{4}$  | 99   | 13 | 9                | 13   | 15              | 8 $\frac{1}{2}$  | 69   | 3  | 8 $\frac{1}{2}$ | 79   | 19 | 9                |
| 119  | 14 | 4                | 84   | 6  | 3 $\frac{1}{4}$  | 75   | 6               | 6 $\frac{3}{4}$  | 72   | 15 | 6               | 58   | 4  | 2 $\frac{1}{4}$  |

| (31)                | (32)                        | (33)                | (34)                | (35)                | (36)                | (37)                | (38)                | (39)                | (40)                |
|---------------------|-----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i>         | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> |
| 1 3                 | 7 6                         | 7 5 6               | 7                   | 9 4 5 1 7 1 10 1 10 |                     |                     |                     |                     |                     |
| 1 9                 | 3 8                         | 7 11 2 4            | 9                   | 11                  | 7                   | 2 7 10 1 9          |                     |                     |                     |
|                     | 7 1 2                       | 6 3 6               | 11                  | 5 7 9 1 3 6 11 2 8  |                     |                     |                     |                     |                     |
|                     | 11                          | 9                   | 9 3 8               | 1 11 1 7            | 11                  | 6 1 11 1 7          |                     |                     |                     |
|                     | 9                           | 6 3 1 2 9           | 2 6 6 9             | 8 2 9 3 11 3 6      |                     |                     |                     |                     |                     |
| 2 6                 | 4 4                         | 11 3 7              | 3 11 1 3            | 6 6                 | 8                   | 10                  | 5                   |                     |                     |
| 3 8                 | 11 1 6 1 9                  | 1 11 1 8            | 3 3 3               | 1 5                 | 4                   |                     |                     |                     |                     |
| 4 2                 | 10                          | 9 1 9 9 4 6 9       | 4 1 11              | 6                   | 3                   |                     |                     |                     |                     |
|                     | 7                           | 11 7 10 5 6         | 7 1 3 3 2           | 7 4 7 1 2           |                     |                     |                     |                     |                     |
| 1 9                 | 5                           | 11 4 7              | 6                   | 7 1 9 7 6           | 8                   | 7                   |                     |                     |                     |
|                     | 11                          | 7 4 5 3 1           | 9                   | 11                  | 11                  | 9 5 9 7 11          |                     |                     |                     |
|                     | 8 1 7                       | 4                   | 6 1 9               | 6                   | 11 9 5              | 6 6 3               |                     |                     |                     |
| 3 6                 | 3 6                         | 6 8 9 4 3 8         | 1 9 1 10            | 8                   | 3                   | 9                   |                     |                     |                     |
|                     | 5 1 8                       | 3 9 3 6 4 6 5 8     | 10 6 8              | 1 7 1 9             |                     |                     |                     |                     |                     |
| 7 7                 | 9 5                         | 7                   | 2 4 2               | 7 5 11 4 9          | 9                   | 11                  |                     |                     |                     |
| 16 4                | 7                           | 11 1 7              | 7                   | 11 6 7              | 9                   | 5 1 10              |                     |                     |                     |
| 3 9                 | 10                          | 10                  | 11                  | 9 1 11              | 6 1 7               | 6 2 9               |                     |                     |                     |
|                     | 11                          | 6                   | 5 3                 | 6 1 6               | 9                   | 6 2 11 7 5          |                     |                     |                     |
|                     | 10 9 4                      | 6                   | 8                   | 11 1 9              | 3 1 9 1 10          | 7                   |                     |                     |                     |
|                     | 8                           | 5                   | 4 1 6               | 3 1 5 1 8 1 5 1 10  | 1 3                 | 1 3                 |                     |                     |                     |
| 3 7                 | 6                           | 3 2 9 1 3 2 7       | 5                   | 7 6 11 8            |                     |                     |                     |                     |                     |
| 6 9                 | 7                           | 8                   | 11 7 9              | 3 3 6 4 2           | 5 2 7               |                     |                     |                     |                     |
|                     | 7 9 3 9                     | 10 6 9              | 8                   | 9                   | 6                   | 6                   |                     |                     |                     |
|                     | 6                           | 10                  | 6                   | 9 3 7               | 11                  | 11 1 3 7 9          |                     |                     |                     |
|                     | 5 3 2                       | 7                   | 6 6 9               | 5 2 5 1 7 5 8 4 2   |                     |                     |                     |                     |                     |
| 1 6                 | 1 1 2 4 3 3 5 8             | 1 7 1 6             | 9                   |                     |                     |                     |                     |                     |                     |
|                     | 11 4 11 1 9 1 6 1 0 6 2 1 9 | 11                  | 9 1 10              |                     |                     |                     |                     |                     |                     |
|                     | 9 16 8 3 3 2 7 1 4 3 3 1 0  | 11                  | 9 4                 |                     |                     |                     |                     |                     |                     |

| (41)                | (42)                | (43)                | (44)                | (45)                | (46)                | (47)                | (48)                |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> | <i>s.</i> <i>d.</i> |
| $11\frac{1}{4}$     | 9 $9\frac{1}{2}$    | 6 6                 | 16 8                | 17 2                | 2 $7\frac{1}{2}$    | 1 $6\frac{1}{2}$    | 6 $9\frac{1}{2}$    |
| $7\frac{1}{2}$      | 1 $7\frac{1}{2}$    | 1 8                 | 13 4                | 19 6                | 1 $7\frac{3}{4}$    | 9 7                 | 7 $10\frac{1}{2}$   |
| $3\frac{1}{4}$      | $3\frac{1}{4}$      | 2 9                 | 5 9                 | 16 8                | 1 $6\frac{1}{2}$    | 6 $9\frac{1}{4}$    | 1 $11\frac{1}{2}$   |
| 1 $9\frac{1}{2}$    | 3 3                 | 3 $7\frac{1}{4}$    | 7 10                | 14 7                | 1 9                 | 7 1                 | $11\frac{3}{4}$     |
| $7\frac{1}{2}$      | 8                   | 1 6                 | 7 $7\frac{1}{4}$    | 13 $2\frac{1}{2}$   | $11\frac{1}{4}$     | 7                   | 2 6                 |
| $6\frac{1}{4}$      | 1 $8\frac{1}{4}$    | 9                   | 7 $6\frac{1}{2}$    | 6 $6\frac{1}{4}$    | 7 7                 | 1 $11\frac{1}{2}$   | $7\frac{1}{4}$      |
| 2 $7\frac{3}{4}$    | 2 $9\frac{1}{2}$    | 11                  | 5 $8\frac{3}{4}$    | 7 $2\frac{1}{4}$    | 6 $9\frac{1}{4}$    | 1 $7\frac{3}{4}$    | 2 9                 |
| 9 6                 | 7                   | 1 10                | 10                  | 1 6                 | 6 $9\frac{1}{2}$    | 6                   | 6                   |
| 1 4                 | $11\frac{1}{2}$     | 2 $7\frac{1}{4}$    | 6 $11\frac{1}{2}$   | 1 3                 | 9 $7\frac{1}{2}$    | 2 9                 | 1 $7\frac{3}{4}$    |
| 7                   | 3 $6\frac{1}{4}$    | 6 0                 | 7 2                 | 9 3                 | 6                   | 1 10                | 11                  |
| 9                   | 13 7                | 7 2                 | 6 9                 | 1 $7\frac{1}{2}$    | 7 9                 | $10\frac{1}{2}$     | 1 9                 |
| 2 0                 | 19 11               | 1 3                 | 8 3                 | 1 4                 | 7 10                | 3 7                 | 1 5                 |
| 3 6                 | 5 8                 | 19 6                | 9 $6\frac{1}{2}$    | 10                  | 2 11                | 6                   | 1 $6\frac{1}{2}$    |
| 1 $5\frac{1}{2}$    | 6 9                 | 7 5                 | 11                  | $11\frac{1}{2}$     | $8\frac{1}{2}$      | 3 $9\frac{1}{2}$    | 13 $7\frac{1}{4}$   |
| $6\frac{3}{4}$      | 3 7                 | 9 9                 | 1 10                | $11\frac{3}{4}$     | 7                   | $7\frac{1}{2}$      | 16 6                |
| $7\frac{1}{2}$      | 10                  | 6 10                | 1 $9\frac{1}{2}$    | 1 6                 | 1 11                | 1 6                 | 19 3                |
| 1 $1\frac{1}{4}$    | 11                  | 7 3                 | 6                   | 9                   | 9                   | 9                   | $9\frac{1}{2}$      |
| 9 $6\frac{1}{2}$    | 9                   | 1 5                 | 1 7                 | 2 $3\frac{1}{2}$    | 6 $6\frac{1}{4}$    | 1 11                | 14 $6\frac{1}{4}$   |
| 7 $7\frac{1}{2}$    | $9\frac{1}{2}$      | 9 6                 | 2 9                 | 7 11                | 3 $3\frac{1}{2}$    | 6                   | 7                   |
| 8 $6\frac{3}{4}$    | $7\frac{3}{4}$      | 1 11                | 1 $3\frac{1}{4}$    | 1 $5\frac{1}{2}$    | $7\frac{1}{2}$      | 2 7                 | 3 11                |
| 9                   | 1 6                 | 7 10                | 1 $7\frac{1}{2}$    | 1 6                 | 4 $11\frac{1}{4}$   | 12 $11\frac{1}{2}$  | 2                   |
| 11                  | 1 6                 | 1 9                 | 6                   | 2 9                 | $6\frac{1}{2}$      | 13 9                | 7 3                 |
| $5\frac{1}{4}$      | 1 9                 | 1 9                 | 9                   | 10                  | 7 $7\frac{3}{4}$    | $6\frac{1}{4}$      | 1 $2\frac{1}{2}$    |
| $7\frac{3}{4}$      | 1 $7\frac{1}{2}$    | 6 $3\frac{1}{4}$    | 1 11                | 8                   | 9                   | 6 $7\frac{1}{2}$    | 9 11                |
| 1 $9\frac{1}{2}$    | 1 $7\frac{1}{2}$    | 7 $11\frac{1}{2}$   | 5                   | 6                   | 1 $6\frac{1}{2}$    | 10 $7\frac{1}{4}$   | $10\frac{1}{2}$     |
| 7 2                 | 6                   | 1 10                | 1 6                 | 1 9                 | 7                   | 7 $3\frac{1}{2}$    | 2 6                 |
| 3 $4\frac{1}{4}$    | 1 9                 | 1 11                | 7 $2\frac{1}{2}$    | 3 8                 | 1 11                | 4 6                 | $10\frac{1}{4}$     |
| 1 $7\frac{1}{4}$    | $3\frac{1}{4}$      | 1 $11\frac{1}{2}$   | 1 $3\frac{3}{4}$    | 10 7                | 6                   | 3 9                 | 1 11                |

| (49)      |           | (50)      |           | (51)      |           | (52)      |           | (53)      |           | (54)      |           | (55)      |           | (56)      |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> | <i>s.</i> | <i>d.</i> |
| 3         | 7½        | 2         | 11½       | 1         | 7½        | 2         | 7½        | 7         | 9½        | 2         | 9½        | 5         | 7½        | 2         | 9         |
| 13        | 6¼        | 4         | 3½        | 3         | 6¼        | 11        | 6¾        | 11        | 4½        | 4         | 7½        | 19        | 6         | 12        | 9½        |
| 19        | 2¾        | 3         | 0¼        | 5         | 10½       | 3         | 9         | 13        | 6¼        | 7         | 6¼        | 6         | 3¼        | 3         | 3         |
| 17        | 1         | 7         | 11½       | 7         | 11¼       | 7         | 10        | 18        | 9         | 9         | 7¾        | 13        | 9¼        | 13        | 7         |
| 6         | 9         | 9         | 6¼        | 2         | 3½        | 9         | 5¼        | 15        | 7½        | 19        | 9½        | 9         | 8½        | 5         | 4         |
| 7         | 3½        | 6         | 7¾        | 9         | 9¼        | 8         | 0½        | 6         | 3¼        | 16        | 9         | 6         | 11        | 14        | 6         |
| 8         | 9¼        | 1         | 0         | 16        | 6½        | 11        | 6         | 9         | 8½        | 13        | 10¼       | 13        | 7         | 16        | 9         |
| 15        | 7½        | 3         | 10        | 15        | 2½        | 12        | 7         | 7         | 2¼        | 17        | 11¼       | 7         | 4         | 17        | 11        |
|           | 11½       | 4         | 11¼       | 14        | 10½       | 5         | 11        | 17        | 6         | 12        | 11        | 6         | 4½        | 2         | 11½       |
|           | 11¾       | 2         | 9¾        | 13        | 1¼        | 7         | 3         | 2         | 3         | 13        | 10        | 9         | 8         | 9         | 10¾       |
|           | 9¼        | 7         | 4         | 17        | 3¾        | 6         | 9         | 1         | 11½       | 2         | 10½       | 6         | 6½        | 5         | 9         |
| 1         | 7         | 9         | 4½        | 3         | 11¾       | 9         | 8½        | 5         | 10¼       | 9         | 9½        | 13        | 7         | 11        | 8½        |
| 9         | 6½        | 6         | 7         | 7         | 10¾       | 13        | 10½       | 13        | 6         | 16        | 6         | 13        | 9         | 13        | 6¼        |
| 18        | 4½        | 1         | 9         | 9         | 9½        | 16        | 3½        | 8         | 9         | 8         | 0¼        | 9         | 11        | 4         | 7¼        |
| 6         | 9¼        |           | 10½       | 6         | 7¼        | 15        | 7¼        | 7         | 7½        |           | 9¾        | 6         | 10½       | 7         | 2         |
| 3         | 8         | 3         | 6         | 13        | 4¼        | 14        | 5½        | 9         | 6¼        |           | 10½       | 3         | 6¾        | 17        | 2         |
| 5         | 6¼        |           | 10        | 16        | 5½        | 2         | 6½        | 16        | 3½        | 7         | 2         | 13        | 7½        | 6         | 4         |
|           | 3½        |           | 11¼       | 12        | 6¼        | 10        | 7         | 19        | 9½        | 3         | 7         | 15        | 9         | 9         | 4½        |
|           | 8¼        | 4         | 7         | 12        | 8½        | 5         | 11        | 19        | 7         | 1         | 6         | 6         | 6½        | 19        | 11        |
| 1         | 3½        | 7         | 6¼        | 10        | 3¼        | 6         | 11        | 2         | 11½       | 1         | 9½        | 7         | 7½        | 19        | 10½       |
|           | 6¾        |           | 6         | 5         | 7½        | 7         | 10        |           | 11¼       | 2         | 10¼       | 2         | 5         | 17        | 11¼       |
| 7         | 9         | 11        | 3½        | 4         | 9½        | 8         | 9¼        | 8         | 3         | 1         | 7         | 13        | 9         | 11        | 6         |
| 5         | 4½        | 6         | 7½        | 3         | 7¼        | 2         | 6         | 7         | 9         |           | 6½        | 9         | 6         | 12        | 7         |
| 4         | 7½        |           | 10        | 6         | 4¾        | 5         | 7½        | 6         | 10½       | 3         | 11        | 6         | 9         | 11        | 9         |
| 1         | 9         | 9         | 7         | 5         | 3½        | 7         | 8¾        | 5         | 5         | 7         | 5½        | 3         | 7         | 6         | 3¼        |
| 2         | 6         | 3         | 6½        | 3         | 7¾        | 9         | 7         | 9         | 9         | 4         | 11        | 7         | 5½        | 9         | 10        |
| 3         | 3½        | 1         | 5½        | 8         | 6½        | 6         | 2         | 3         | 8¼        | 4         | 3         | 9         | 6         | 3         | 8         |
| 1         | 10½       | 2         | 6         | 11        | 3½        | 8         | 7         | 7         | 6         | 2         | 7½        | 8         | 8         | 8         | 7½        |

| (57)      |                 | (58)      |                 | (59)      |                 | (60)      |                 | (61)      |                 | (62)      |                 | (63)      |                | (64)      |                 |
|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|-----------------|
| <i>s.</i> | <i>d.</i>       | <i>s.</i> | <i>d.</i>       | <i>s.</i> | <i>d.</i>       | <i>s.</i> | <i>d.</i>       | <i>s.</i> | <i>d.</i>       | <i>s.</i> | <i>d.</i>       | <i>s.</i> | <i>d.</i>      | <i>s.</i> | <i>d.</i>       |
| 11        | 7               | 14        | 11              | 16        | $7\frac{1}{2}$  | 4         | 9               | 19        | 7               | 9         | 8               | 15        | 7              | 19        | 10              |
| 12        | 9               | 13        | 10              | 7         | $8\frac{1}{2}$  | 3         | 5               | 18        | $0\frac{1}{2}$  | 5         | 7               | 19        | $9\frac{1}{2}$ | 19        | 11              |
| 17        | $3\frac{1}{2}$  | 15        | 9               | 9         | 10              | 7         | $5\frac{1}{2}$  | 16        | 10              | 7         | 3               | 14        | 6              | 18        | 6               |
| 6         | 0               | 7         | 7               | 13        | 11              |           | $3\frac{3}{4}$  | 17        | $3\frac{1}{4}$  | 2         | 10              | 16        | $7\frac{1}{2}$ | 18        | 3               |
| 9         | 6               | 2         | 9               | 14        | 5               | 2         | $0\frac{1}{4}$  | 15        | $11\frac{1}{2}$ | 7         | $9\frac{1}{4}$  | 13        | 6              | 18        | 7               |
| 5         | $5\frac{1}{4}$  | 5         | $11\frac{1}{2}$ | 16        | $7\frac{1}{4}$  | 9         | 6               | 13        | $9\frac{1}{4}$  | 3         | $8\frac{1}{4}$  | 2         | 9              | 12        | $10\frac{1}{2}$ |
| 8         | $7\frac{3}{4}$  | 9         | $11\frac{1}{4}$ | 4         | $8\frac{1}{2}$  |           | 11              | 14        | $7\frac{3}{4}$  | 6         | $6\frac{1}{2}$  |           | $3\frac{1}{2}$ | 14        | $11\frac{1}{4}$ |
| 13        | 8               | 19        | 10              |           | 11              | 11        | $10\frac{1}{4}$ | 17        | $6\frac{1}{2}$  | 9         | $7\frac{1}{2}$  | 14        | $7\frac{1}{2}$ | 14        | $10\frac{1}{4}$ |
| 17        | 9               | 2         | $10\frac{3}{4}$ |           | $6\frac{1}{2}$  | 5         | $0\frac{3}{4}$  | 19        | $7\frac{3}{4}$  | 10        | 10              | 2         | $6\frac{1}{4}$ | 14        | $1\frac{3}{4}$  |
| 19        | 6               | 6         | 6               | 5         | $7\frac{1}{2}$  | 6         | 7               | 16        | 8               | 5         | 6               | 7         | $7\frac{1}{2}$ | 13        | 6               |
| 2         | 7               | 7         | 6               |           | 9               | 17        | $9\frac{1}{2}$  | 18        | 8               |           | 9               |           | 9              | 13        | 9               |
| 1         | 10              | 3         | 9               | 7         | $8\frac{1}{2}$  |           | 6               | 2         | 9               |           | $7\frac{1}{2}$  | 9         | 6              | 13        | 7               |
| 2         | $11\frac{1}{4}$ | 4         | $8\frac{1}{2}$  | 9         | $6\frac{1}{4}$  |           | $8\frac{1}{2}$  | 4         | $5\frac{1}{4}$  | 2         | $7\frac{1}{4}$  |           | $8\frac{1}{2}$ | 10        | 8               |
| 7         | $10\frac{1}{4}$ | 5         | $1\frac{1}{4}$  | 9         | 5               | 3         | $7\frac{1}{4}$  | 6         | $7\frac{1}{2}$  |           | 3               | 5         | 7              | 9         | 7               |
| 4         | $9\frac{1}{2}$  | 6         | $0\frac{1}{2}$  | 8         | $7\frac{1}{4}$  |           | $5\frac{1}{2}$  | 8         | $6\frac{3}{4}$  | 7         | $1\frac{1}{2}$  | 7         | 9              | 9         | 5               |
| 9         | $7\frac{1}{4}$  | 7         | $5\frac{1}{2}$  | 18        | $6\frac{1}{2}$  | 4         | 7               | 10        | $7\frac{1}{2}$  | 3         | $0\frac{1}{4}$  | 16        | $6\frac{1}{2}$ | 9         | $5\frac{1}{2}$  |
| 3         | $6\frac{3}{4}$  | 3         | $6\frac{1}{2}$  | 4         | 7               |           | 9               | 11        | 8               | 8         | 6               | 13        | $3\frac{1}{2}$ | 7         | 0               |
| 16        | 9               | 14        | 11              | 7         | $9\frac{1}{4}$  | 19        | $9\frac{1}{2}$  | 9         | $9\frac{1}{2}$  | 16        | $9\frac{1}{2}$  | 14        | $7\frac{1}{4}$ | 17        | 3               |
| 15        | $7\frac{1}{2}$  | 13        | 5               | 16        | 3               | 2         | $1\frac{3}{4}$  | 7         | $10\frac{1}{4}$ |           | 10              | 12        | 6              | 17        | $2\frac{1}{2}$  |
| 9         | 9               | 16        | 8               | 13        | $10\frac{1}{4}$ | 8         | $6\frac{1}{4}$  | 3         | 7               | 17        | $11\frac{1}{2}$ |           | 11             | 17        | 6               |
| 17        | $10\frac{1}{2}$ | 19        | 9               |           | $8\frac{1}{2}$  | 16        | $7\frac{3}{4}$  | 1         | 9               | 13        | 6               | 10        | 6              | 15        | 9               |
| 5         | 11              | 12        | $8\frac{1}{2}$  | 5         | 11              |           | $9\frac{1}{2}$  | 5         | 6               | 14        | 9               |           | $5\frac{1}{4}$ | 15        | $4\frac{1}{4}$  |
| 8         | $9\frac{1}{4}$  | 7         | 7               | 9         | $5\frac{1}{4}$  |           | 4               | 6         | 8               |           | $5\frac{1}{2}$  |           | $7\frac{3}{4}$ | 15        | 10              |
| 3         | $8\frac{1}{2}$  | 11        | 10              | 7         | $7\frac{1}{4}$  | 4         | 5               | 7         | $7\frac{1}{2}$  | 2         | 6               | 3         | 6              | 6         | 3               |
| 13        | $6\frac{1}{2}$  | 12        | 6               | 3         | 6               | 7         | 10              | 2         | 6               | 9         | 4               | 6         | 9              | 3         | 6               |
| 17        | $7\frac{1}{2}$  | 6         | $3\frac{1}{2}$  | 6         | 9               | 1         | $5\frac{1}{2}$  | 9         | $4\frac{1}{4}$  | 6         | $8\frac{1}{2}$  | 7         | 8              | 7         | $8\frac{1}{2}$  |
| 19        | 2               | 2         | 7               | 13        | 4               | 9         | 6               | 5         | $6\frac{3}{4}$  | 7         | 3               | 5         | $5\frac{1}{2}$ | 9         | $11\frac{3}{4}$ |
| 14        | 6               | 17        | 9               | 17        | 6               | 5         | 4               | 7         | $2\frac{1}{4}$  | 3         | $11\frac{1}{2}$ | 17        | $6\frac{1}{4}$ | 8         | $6\frac{1}{2}$  |

| (65) |    |    | (66) |    |    | (67) |     |     | (68) |    |     | (69) |    |     |
|------|----|----|------|----|----|------|-----|-----|------|----|-----|------|----|-----|
| £.   | s. | d. | £.   | s. | d. | £.   | s.  | d.  | £.   | s. | d.  | £.   | s. | d.  |
| 13   | 7  | 9½ | 17   | 12 | 6  | 77   | 13  | 6½  | 69   | 17 | 10½ | 58   | 6  | 8   |
| 18   | 16 | 7¼ | 18   | 16 | 4½ | 19   | 17  | 5¼  | 79   | 16 | 9¼  | 68   | 17 | 4½  |
| 11   | 10 | 6½ | 7    | 9  | 6½ | 17   | 13  | 6½  | 36   | 13 | 11  | 37   | 3  | 8½  |
| 9    | 1  | 4¼ | 19   | 19 | 6½ | 3    | 14  | 2   | 12   | 2  | 6   | 16   | 6  | 4   |
| 7    | 2  | 6  | 7    | 8  | 5  | 4    | 4   | 4   | 19   | 19 | 3½  | 19   | 7  | 5½  |
| 11   | 5  | 8½ | 11   | 10 | 6½ | 6    | 9   | 10½ | 37   | 4  | 7¼  | 29   | 6  | 9   |
| 16   | 13 | 7½ | 13   | 16 | 7½ | 17   | 13  | 4   | 15   | 15 | 6¾  | 36   | 17 | 5½  |
| 9    | 16 | 5¼ | 9    | 15 | 6¼ | 80   | 16  | 0   | 17   | 7  | 7½  | 13   | 16 | 6   |
| 7    | 12 | 1  | 6    | 13 | 2½ | 11   | 10½ |     | 29   | 9  | 6   | 17   | 13 | 2½  |
| 8    | 16 | 7½ | 7    | 15 | 5  | 1    | 10  | 0   | 68   | 10 | 9   | 29   | 6  | 6   |
| 9    | 15 | 8½ | 9    | 11 | 10 | 3    | 6   | 8   | 37   | 3  | 7   | 16   | 13 | 4   |
| 6    | 11 | 10 | 5    | 16 | 7¼ | 1    | 0   | 4¼  | 66   | 17 | 3   | 36   | 17 | 5   |
| 5    | 9  | 6¼ | 13   | 12 | 0½ | 7    | 19  | 8½  | 13   | 4  | 6   | 17   | 11 | 10½ |
| 70   | 12 | 1  | 6    | 0  | 10 | 3    | 3   | 7¾  | 12   | 5  | 10½ | 48   | 5  | 5   |

| (70) |    |    | (71) |    |     | (72) |    |     | (73) |    |     | (74) |    |     |
|------|----|----|------|----|-----|------|----|-----|------|----|-----|------|----|-----|
| £.   | s. | d. | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  |
| 17   | 10 | 6  | 20   | 11 | 10½ | 13   | 13 | 7¼  | 96   | 17 | 6½  | 11   | 12 | 6   |
| 19   | 13 | 7½ | 13   | 16 | 7¼  | 99   | 16 | 8½  | 88   | 8  | 8½  | 10   | 13 | 7½  |
| 29   | 16 | 8  | 19   | 13 | 8½  | 17   | 12 | 9¼  | 47   | 3  | 4   | 6    | 14 | 10¼ |
| 33   | 14 | 7½ | 17   | 12 | 6½  | 16   | 12 | 6   | 13   | 16 | 2½  | 9    | 18 | 6½  |
| 16   | 13 | 8¼ | 2    | 19 | 5½  | 13   | 17 | 10½ | 29   | 15 | 6   | 3    | 13 | 7¼  |
| 75   | 14 | 6  | 7    | 13 | 2   | 86   | 14 | 5   | 66   | 13 | 4½  | 15   | 16 | 10  |
| 99   | 19 | 9¼ | 6    | 19 | 5¼  | 19   | 13 | 11¼ | 14   | 2  | 6   | 29   | 13 | 6   |
| 29   | 13 | 6  | 8    | 6  | 8   | 7    | 2  | 9   | 36   | 18 | 5½  | 8    | 16 | 9¼  |
| 18   | 14 | 7¼ | 13   | 16 | 9½  | 16   | 0  | 0   | 28   | 9  | 9   | 17   | 19 | 6¼  |
| 9    | 19 | 6¼ | 10   | 10 | 10  | 27   | 13 | 7½  | 17   | 11 | 10  | 3    | 13 | 7¼  |
| 7    | 12 | 9¾ | 11   | 12 | 11  | 96   | 14 | 6¼  | 12   | 5  | 7¼  | 17   | 10 | 6   |
| 6    | 13 | 9½ | 29   | 16 | 8½  | 17   | 10 | 6   | 6    | 15 | 10¾ | 9    | 19 | 6½  |
| 17   | 19 | 6  | 3    | 14 | 6¼  | 9    | 18 | 9½  | 19   | 19 | 9½  | 28   | 17 | 5   |
| 56   | 13 | 4  | 18   | 12 | 9¼  | 37   | 16 | 2¼  | 5    | 3  | 7   | 13   | 16 | 2½  |

| (75) |    |     | (76) |    |     | (77) |    |     | (78) |    |     | (79) |    |     |
|------|----|-----|------|----|-----|------|----|-----|------|----|-----|------|----|-----|
| £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  |
| 103  | 17 | 7½  | 996  | 13 | 8½  | 130  | 12 | 7¼  | 609  | 13 | 8½  | 92   | 13 | 6   |
| 296  | 13 | 8¾  | 713  | 15 | 7½  | 296  | 10 | 8   | 105  | 16 | 7¾  | 19   | 10 | 7½  |
| 175  | 12 | 6½  | 219  | 17 | 8¼  | 115  | 9  | 11  | 726  | 13 | 8¼  | 705  | 11 | 8   |
| 800  | 9  | 7¼  | 156  | 14 | 11  | 924  | 8  | 10¼ | 968  | 12 | 9½  | 68   | 7  | 10  |
| 702  | 6  | 9¾  | 709  | 16 | 10¼ | 82   | 7  | 6½  | 117  | 10 | 10½ | 365  | 18 | 2   |
| 113  | 10 | 7½  | 445  | 13 | 6½  | 79   | 16 | 9¼  | 364  | 10 | 11  | 144  | 16 | 1   |
| 147  | 0  | 6¼  | 504  | 16 | 7¾  | 316  | 13 | 9¾  | 129  | 0  | 7   | 73   | 15 | 11  |
| 902  | 13 | 8¾  | 699  | 18 | 9   | 175  | 17 | 6   | 765  | 5  | 7¾  | 96   | 14 | 5½  |
| 113  | 17 | 10  | 789  | 17 | 6½  | 116  | 6  | 8   | 808  | 4  | 7½  | 87   | 7  | 6¾  |
| 626  | 16 | 11¼ | 623  | 19 | 7   | 924  | 4  | 11  | 116  | 7  | 6   | 59   | 3  | 6½  |
| 713  | 12 | 7¼  | 139  | 16 | 9½  | 638  | 3  | 7   | 75   | 6  | 9   | 318  | 13 | 1¼  |
| 209  | 8  | 8   | 604  | 12 | 6   | 119  | 14 | 5   | 38   | 9  | 8½  | 12   | 8  | 0¼  |
| 118  | 15 | 10  | 726  | 0  | 9   | 745  | 5  | 8½  | 726  | 19 | 8¾  | 906  | 9  | 10  |
| 212  | 6  | 11½ | 133  | 3  | 10  | 225  | 19 | 0¾  | 99   | 13 | 7   | 72   | 19 | 11½ |

| (80) |    |     | (81) |    |     | (82) |    |     | (83) |    |     | (84) |    |     |
|------|----|-----|------|----|-----|------|----|-----|------|----|-----|------|----|-----|
| £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  |
| 296  | 13 | 8½  | 989  | 2  | 7½  | 144  | 12 | 10½ | 10   | 12 | 11½ | 903  | 17 | 6½  |
| 73   | 12 | 9¼  | 726  | 7  | 6   | 76   | 13 | 8½  | 365  | 7  | 6   | 399  | 13 | 7¼  |
| 15   | 14 | 6½  | 13   | 19 | 9¼  | 96   | 15 | 7¼  | 93   | 0  | 9   | 898  | 2  | 6   |
| 362  | 12 | 11¼ | 138  | 11 | 6½  | 209  | 11 | 10  | 111  | 1  | 11¼ | 776  | 0  | 9½  |
| 193  | 13 | 6½  | 75   | 6  | 7   | 13   | 17 | 6½  | 62   | 13 | 6½  | 446  | 10 | 3¼  |
| 76   | 0  | 3   | 69   | 10 | 10  | 29   | 16 | 8¼  | 17   | 15 | 8½  | 543  | 11 | 7½  |
| 193  | 10 | 6   | 12   | 8  | 11¼ | 176  | 13 | 8¼  | 29   | 16 | 2   | 829  | 5  | 10  |
| 73   | 8  | 9½  | 304  | 13 | 8   | 92   | 14 | 7   | 113  | 14 | 6   | 613  | 7  | 11  |
| 156  | 13 | 8   | 162  | 4  | 6½  | 147  | 13 | 2   | 29   | 13 | 7½  | 719  | 6  | 5½  |
| 70   | 15 | 6½  | 973  | 14 | 7¾  | 76   | 18 | 4½  | 716  | 14 | 5¼  | 926  | 16 | 7¾  |
| 89   | 11 | 8   | 864  | 13 | 6   | 96   | 13 | 5   | 69   | 13 | 8   | 113  | 13 | 6   |
| 139  | 16 | 4   | 519  | 9  | 9   | 992  | 10 | 2   | 505  | 14 | 7½  | 629  | 2  | 9   |
| 172  | 14 | 2½  | 304  | 6  | 8   | 11   | 10 | 6   | 167  | 16 | 7   | 114  | 12 | 8   |
| 56   | 0  | 6   | 114  | 3  | 10  | 12   | 10 | 11½ | 5    | 0  | 0¾  | 79   | 9  | 10½ |

| (85) |    |     | (86) |    |    | (87) |    |     | (88) |    |     | (89) |    |     |
|------|----|-----|------|----|----|------|----|-----|------|----|-----|------|----|-----|
| £.   | s. | d.  | £.   | s. | d. | £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d.  |
| 1316 | 12 | 10½ | 8216 | 13 | 4½ | 1138 | 17 | 6½  | 7021 | 17 | 6½  | 3067 | 13 | 1½  |
| 9208 | 10 | 11¼ | 909  | 19 | 6½ | 1154 | 13 | 8¼  | 3968 | 13 | 5½  | 9989 | 17 | 6   |
| 796  | 6  | 6¾  | 1107 | 13 | 6½ | 1216 | 16 | 11½ | 7001 | 18 | 6½  | 5567 | 13 | 8¾  |
| 5947 | 7  | 9½  | 968  | 14 | 7¼ | 7296 | 2  | 10¾ | 1106 | 0  | 7   | 199  | 19 | 11  |
| 389  | 17 | 11¼ | 702  | 13 | 8½ | 8043 | 19 | 9   | 3389 | 13 | 5   | 2017 | 16 | 8   |
| 6213 | 13 | 6   | 1903 | 17 | 6  | 599  | 13 | 7½  | 1760 | 11 | 7¼  | 9026 | 13 | 5   |
| 597  | 2  | 5½  | 2916 | 13 | 4½ | 726  | 16 | 6¾  | 9020 | 18 | 0¾  | 739  | 18 | 5½  |
| 7007 | 18 | 9   | 7219 | 16 | 8¼ | 3132 | 7  | 0   | 376  | 19 | 3   | 316  | 19 | 7¾  |
| 3996 | 14 | 7¼  | 3241 | 0  | 4  | 699  | 11 | 10  | 125  | 17 | 6   | 926  | 14 | 5   |
| 8682 | 3  | 6¾  | 5004 | 0  | 3½ | 8726 | 15 | 11½ | 1026 | 0  | 11½ | 3004 | 11 | 10½ |
| 7136 | 7  | 11  | 729  | 6  | 8¼ | 904  | 8  | 7¼  | 770  | 10 | 6   | 176  | 13 | 8½  |
| 5904 | 9  | 10½ | 9268 | 13 | 7  | 5969 | 19 | 6   | 3869 | 19 | 9½  | 99   | 19 | 9½  |
| 3216 | 6  | 7¼  | 199  | 12 | 8  | 872  | 12 | 9   | 7156 | 11 | 7¼  | 1269 | 12 | 10  |
| 8888 | 8  | 9   | 2010 | 10 | 10 | 1509 | 13 | 10  | 3821 | 15 | 8½  | 776  | 14 | 4½  |

| (90) |    |     | (91) |    |     | (92) |    |    | (93) |    |    | (94) |    |    |
|------|----|-----|------|----|-----|------|----|----|------|----|----|------|----|----|
| £.   | s. | d.  | £.   | s. | d.  | £.   | s. | d. | £.   | s. | d. | £.   | s. | d. |
| 7131 | 17 | 7¾  | 4031 | 17 | 5½  | 2916 | 13 | 8½ | 1131 | 17 | 4  | 3113 | 13 | 6  |
| 1696 | 16 | 11¼ | 7021 | 16 | 9¼  | 316  | 12 | 6  | 209  | 13 | 6½ | 9686 | 18 | 4½ |
| 2006 | 3  | 10½ | 9021 | 11 | 10¾ | 29   | 19 | 4  | 76   | 18 | 2¼ | 7021 | 10 | 9¾ |
| 1398 | 13 | 9¼  | 3729 | 18 | 6   | 138  | 10 | 6  | 36   | 19 | 9¾ | 1369 | 9  | 10 |
| 7062 | 14 | 10½ | 6928 | 19 | 7½  | 7024 | 15 | 8½ | 2095 | 18 | 5¼ | 7021 | 13 | 1¾ |
| 5568 | 13 | 11¼ | 7135 | 18 | 6   | 1770 | 11 | 0¾ | 79   | 13 | 8¼ | 3169 | 17 | 6  |
| 9286 | 14 | 7¼  | 8836 | 11 | 10½ | 707  | 11 | 5  | 9    | 16 | 7½ | 7021 | 18 | 4½ |
| 3715 | 11 | 9½  | 9446 | 6  | 9   | 36   | 10 | 8¼ | 3000 | 13 | 8¼ | 5526 | 16 | 9¼ |
| 903  | 12 | 10½ | 702  | 16 | 3   | 946  | 9  | 9  | 75   | 12 | 6  | 9038 | 18 | 2  |
| 1735 | 16 | 11¼ | 1703 | 11 | 3½  | 1968 | 8  | 4¼ | 29   | 13 | 8¼ | 55   | 11 | 3¾ |
| 9027 | 17 | 8   | 886  | 7  | 0½  | 729  | 17 | 3  | 138  | 17 | 6¼ | 77   | 5  | 8  |
| 396  | 16 | 9¼  | 9091 | 5  | 7   | 3146 | 2  | 2  | 3462 | 0  | 3  | 138  | 2  | 4¼ |
| 1769 | 19 | 10  | 7296 | 16 | 4   | 555  | 15 | 8¼ | 9007 | 13 | 1½ | 1596 | 12 | 6  |
| 3115 | 0  | 11¼ | 839  | 4  | 4¼  | 4    | 16 | 8  | 11   | 10 | 6¼ | 706  | 11 | 5¼ |

| (95)    |    |                  | (96)   |    |                  | (97)    |    |                  |
|---------|----|------------------|--------|----|------------------|---------|----|------------------|
| £.      | s. | d.               | £.     | s. | d.               | £.      | s. | d.               |
| 301276  | 13 | 8 $\frac{1}{4}$  | 713116 | 13 | 7 $\frac{1}{2}$  | 3030330 | 17 | 6                |
| 1966847 | 17 | 7 $\frac{1}{2}$  | 902013 | 19 | 8 $\frac{3}{4}$  | 700770  | 13 | 9                |
| 208     | 16 | 8 $\frac{3}{4}$  | 730026 | 16 | 9 $\frac{1}{2}$  | 39628   | 16 | 3                |
| 37062   | 13 | 9                | 820028 | 17 | 10 $\frac{3}{4}$ | 603     | 12 | 1 $\frac{1}{4}$  |
| 921685  | 18 | 10 $\frac{1}{2}$ | 700007 | 19 | 6                | 119621  | 10 | 11 $\frac{3}{4}$ |
| 1100011 | 2  | 11 $\frac{1}{4}$ | 30021  | 16 | 10               | 9321163 | 9  | 9 $\frac{1}{2}$  |
| 2020200 | 19 | 6                | 73602  | 10 | 11 $\frac{1}{2}$ | 73176   | 13 | 7 $\frac{1}{4}$  |
| 376009  | 16 | 8                | 90377  | 13 | 6 $\frac{3}{4}$  | 32005   | 10 | 8 $\frac{3}{4}$  |
| 5137462 | 12 | 9                | 159603 | 19 | 7 $\frac{1}{2}$  | 604140  | 6  | 9                |
| 900206  | 11 | 10 $\frac{3}{4}$ | 702131 | 13 | 6                | 40400   | 17 | 7 $\frac{1}{4}$  |
| 3007    | 10 | 7                | 50030  | 17 | 9                | 3039393 | 19 | 10 $\frac{1}{2}$ |
| 7070700 | 16 | 5 $\frac{1}{2}$  | 176039 | 6  | 8 $\frac{1}{2}$  | 7607687 | 16 | 11               |
| 2136137 | 13 | 11 $\frac{1}{4}$ | 11010  | 19 | 7 $\frac{3}{4}$  | 878787  | 13 | 6                |
| 9998562 | 15 | 6 $\frac{3}{4}$  | 11303  | 16 | 6                | 999899  | 18 | 7                |
| 7593163 | 16 | 7 $\frac{1}{2}$  | 600606 | 13 | 8                | 51105   | 13 | 9 $\frac{1}{4}$  |
| 303030  | 13 | 8 $\frac{3}{4}$  | 721968 | 10 | 4                | 110011  | 3  | 0                |
| 2290192 | 0  | 9                | 999989 | 11 | 4 $\frac{1}{2}$  | 2963706 | 2  | 10               |
| 16515   | 10 | 10               | 763821 | 10 | 2 $\frac{1}{4}$  | 130261  | 11 | 0 $\frac{1}{2}$  |
| 707     | 5  | 11               | 509005 | 13 | 1 $\frac{1}{2}$  | 570072  | 14 | 7                |
| 1101010 | 15 | 7                | 37026  | 11 | 0 $\frac{1}{2}$  | 1031    | 14 | 9                |
| 306663  | 19 | 6                | 729168 | 5  | 6 $\frac{3}{4}$  | 1201021 | 9  | 10               |
| 999888  | 16 | 8 $\frac{1}{2}$  | 315627 | 16 | 7 $\frac{1}{4}$  | 903116  | 8  | 11 $\frac{3}{4}$ |
| 70207   | 17 | 11 $\frac{1}{4}$ | 7031   | 18 | 4 $\frac{1}{2}$  | 20202   | 7  | 11 $\frac{3}{4}$ |
| 5050505 | 13 | 9 $\frac{3}{4}$  | 90311  | 10 | 6                | 101110  | 13 | 9                |
| 17003   | 12 | 7                | 573008 | 10 | 9                | 7077077 | 3  | 8 $\frac{1}{4}$  |
| 5090    | 3  | 8 $\frac{1}{2}$  | 90313  | 8  | 8                | 396921  | 5  | 4                |
| 136702  | 16 | 9 $\frac{3}{4}$  | 137026 | 6  | 11               | 7296031 | 6  | 6                |
| 100     | 11 | 6                | 902116 | 19 | 10 $\frac{1}{4}$ | 156796  | 15 | 7 $\frac{1}{2}$  |

| (98)   |    |     | (99)  |    |     | (100)  |    |     |
|--------|----|-----|-------|----|-----|--------|----|-----|
| £.     | s. | d.  | £.    | s. | d.  | £.     | s. | d.  |
| 313021 | 15 | 9½  | 36975 | 17 | 7½  | 695106 | 12 | 7½  |
| 70103  | 15 | 7¼  | 17093 | 13 | 9   | 302103 | 13 | 8¼  |
| 13113  | 11 | 8½  | 69009 | 0  | 8¼  | 1007   | 16 | 9¾  |
| 44040  | 9  | 11  | 73106 | 5  | 10  | 900090 | 14 | 10¼ |
| 694800 | 10 | 10¼ | 11031 | 2  | 11¼ | 99909  | 2  | 11  |
| 70210  | 6  | 9   | 7092  | 9  | 10  | 250    | 11 | 10  |
| 503136 | 9  | 8¼  | 80867 | 11 | 9½  | 17     | 19 | 9   |
| 110011 | 19 | 6¾  | 1396  | 18 | 3¼  | 17210  | 19 | 6   |
| 470216 | 17 | 7   | 4748  | 3  | 3½  | 21012  | 19 | 6½  |
| 60606  | 19 | 0   | 99808 | 13 | 8   | 17616  | 15 | 7½  |
| 372730 | 13 | 5½  | 17906 | 9  | 6¼  | 139    | 13 | 8¼  |
| 990909 | 13 | 4   | 500   | 16 | 9¼  | 6075   | 13 | 9¾  |
| 78136  | 14 | 7   | 1703  | 3  | 10  | 99028  | 13 | 6   |
| 594637 | 7  | 6   | 1877  | 10 | 7¼  | 17596  | 17 | 7   |
| 7321   | 3  | 11½ | 69586 | 17 | 8   | 998899 | 16 | 8   |
| 96037  | 6  | 10  | 1921  | 4  | 9   | 88099  | 14 | 5   |
| 5728   | 7  | 9   | 38764 | 11 | 5   | 16760  | 3  | 6   |
| 39009  | 19 | 8¼  | 7021  | 18 | 6½  | 59059  | 9  | 9   |
| 5678   | 10 | 11  | 93007 | 5  | 7   | 9027   | 18 | 11  |
| 21311  | 11 | 10¼ | 8621  | 12 | 7¾  | 9098   | 18 | 10  |
| 112360 | 6  | 5   | 17219 | 19 | 10  | 75168  | 8  | 6   |
| 94587  | 13 | 2½  | 8627  | 6  | 11½ | 3077   | 0  | 9   |
| 709035 | 17 | 1½  | 59603 | 13 | 8   | 99682  | 2  | 7½  |
| 699886 | 12 | 1¼  | 69000 | 0  | 6   | 15096  | 5  | 9   |
| 474047 | 12 | 1¾  | 7507  | 2  | 3¼  | 330033 | 12 | 6½  |
| 921311 | 12 | 7   | 11056 | 1  | 1½  | 170017 | 4  | 3   |
| 54709  | 9  | 6   | 90213 | 15 | 1¼  | 706076 | 14 | 9½  |
| 903179 | 16 | 11  | 1967  | 14 | 10  | 92920  | 4  | 11¼ |

(101) Add together £101. 12.  $11\frac{1}{2}$ , £109. 16.  $8\frac{1}{2}$ , £11. 11.  $10\frac{1}{4}$ , £1. 18.  $6\frac{1}{4}$ , £3. 18.  $7\frac{3}{4}$ , £2. 19.  $10\frac{1}{2}$ , £4. 14.  $6\frac{1}{4}$ .

(102) A person owes the following amounts, viz. £3. 13.  $8\frac{1}{2}$ , £2. 19.  $6\frac{1}{4}$ , £11. 17.  $7\frac{1}{4}$ , £86. 13. 8, £4. 13.  $9\frac{1}{4}$  and £5. 5. 6. What does he owe altogether?

(103) Find the sum of £3. 12.  $6\frac{1}{2}$  + £9. 19.  $0\frac{3}{4}$  + £2. 18.  $5\frac{1}{2}$  + £3. 19.  $9\frac{3}{4}$  + £4. 17.  $10\frac{1}{2}$  + £6. 11.  $9\frac{3}{4}$ .

(104) A person died leaving 1000 guineas to each of three sons, besides £10,500 worth of stock to each of his three sons and two daughters; his plate, furniture and horses worth £6398. 12. 9; real property to the amount of £40,000; legacies to charitable institutions, servants, &c. £4705. 9. 8; and in addition the residuary legatee received £23,946. 19.  $1\frac{1}{2}$ . What was the worth of his whole estate?

(105) Find by addition the worth of 17 articles at £3. 18.  $10\frac{3}{4}$  each.

(106) Add together 31 sovereigns, 31 half-sovereigns, 31 guineas, 31 half-guineas, 31 crowns and 31 half-crowns.

(107) Find the value of a wine merchant's stock which consists of Old Port £1943. 16. 8, Port £3126. 4. 6, Sherry £2021. 17. 9, Claret £209. 11. 9, Hock £572. 11. 6, Champagne £4796. 12. 10, and Spirits £4219. 13. 6.

(108) A person buys goods for £209. 11. 6 and gains £23. 10.  $8\frac{1}{2}$  on their sale: for what does he sell them?

(109) Find the sum of the following items, 3s.  $6d.$ , 8s.  $9\frac{1}{2}d.$ , 5s.  $10\frac{1}{4}d.$ , 3s.  $8\frac{1}{2}d.$ , 19s.  $6d.$ , 11s.  $3\frac{1}{2}d.$ , 4s.  $7d.$ , 5s.  $9\frac{1}{2}d.$  and 8s.  $6\frac{1}{4}d.$

(110) Find by addition the cost of 7 tons of hay at £3. 18.  $9\frac{1}{2}$  per ton.

(111) A tradesman receives on Monday £2. 9.  $6\frac{1}{4}$ , Tuesday £4. 13. 6, Wednesday £8. 14.  $9\frac{1}{2}$ , Thursday £1. 1.  $8\frac{1}{2}$ , Friday £19. 16.  $7\frac{1}{4}$  and Saturday £27. 14.  $8\frac{3}{4}$ : what did he receive altogether?

(112) Find the sum of £141. 11. 8 + £193. 16.  $9\frac{1}{2}$  + £20. 10. 10 + £17. 19.  $6\frac{3}{4}$  + £18. 12.  $9\frac{1}{2}$  + £43. 19. 8.

(113) A merchant consigns to India ale valued at £4709. 16. 8, stout £479. 15. 8, drugs £786. 11. 6, and stationery £2963. 13. 4: what was the total value of his consignment?

(114) A daily newspaper published at a penny has an average circulation of 47312 copies: find by addition the value of a week's sale.

(115) Add together £31. 13.  $6\frac{1}{4}$  and 10958 farthings.

(116) The expenditure of a Union is as follows: Maintenance of Inmates of Workhouse £13912. 11.  $10\frac{1}{2}$ , Buildings, repairs, &c. £1306. 12. 8, Salaries £4176. 5. 8, Law expenses £219. 13. 4, Out-door relief £7216. 13. 8, Printing and Stationery £303. 14. 6, Gas £47. 11. 9, Miscellaneous expenses not included in the above £1147. 13. 6. If the income exceeded the expenditure by £271. 19.  $9\frac{1}{2}$ , what was the total income?

(117) Add together  $5\frac{1}{2}$  guineas,  $3\frac{1}{2}$  half-guineas and 21 half-crowns.

(118) A collection at a church realised 31 sovereigns, 5 five pound notes, 1 ten ditto, 115 half-crowns, 19 half-sovereigns, 3 crown pieces, 1196 pence, 915 shillings and 72 sixpences: find the total amount.

(119) A housekeeper's weekly butcher's bills for the Quarter ending March 25 were as follows: 18s. 6*d.*, 19s.  $7\frac{1}{2}$ *d.*, 13s.  $3\frac{1}{4}$ *d.*, 14s. 11*d.*, 23s. 9*d.*, 6s.  $8\frac{1}{2}$ *d.*, 17s. 6*d.*, 18s. 4*d.*, 15s. 9*d.*, 17s.  $11\frac{1}{2}$ *d.*, 13s.  $10\frac{1}{4}$ *d.*, 22s.  $2\frac{1}{2}$ *d.* and 16s.  $4\frac{1}{4}$ *d.*: find the total.

(120) Find by addition the sum of 10 payments of £1. 19.  $9\frac{1}{2}$  each.

(121) Add together £113. 17. 6, £11. 19. 8, £14. 17. 6, £3. 2. 8, £13. 12. 6, £1. 18. 6 and £2. 13.  $6\frac{1}{4}$ .

(122) Reduce £31. 12.  $11\frac{1}{2}$  and £50 19.  $7\frac{1}{4}$  to farthings, subtract one number from the other and reduce the result to pounds, shillings, &c.

(123) Find in account money the sum of 58 half-crowns, 119 sixpences, 131 fourpences, and 111 threepences.

(124) How many times is £1. 10. 5 contained in the sum of £5, 5 half-sovereigns and 5 fivepences?

(125) The treasurer of a charity has in hand £312. 0. 7 $\frac{1}{4}$ , and receives in the course of a year £1476. 6. 8, £219. 14. 5, £813. 11. 11 $\frac{1}{2}$  and £403. 17. 6: what is the amount received?

(126) Find by addition the cost of 12 bales of clothing at £3. 1. 4 $\frac{1}{4}$  per bale.

(127) Add together £2. 19. 6 $\frac{1}{2}$ , £3. 11. 9 $\frac{1}{4}$ , £9. 12. 10 $\frac{1}{4}$ , £8. 18. 6 $\frac{1}{4}$ , £3. 17. 10 $\frac{1}{2}$ , £9. 13. 6 $\frac{1}{2}$  and £1. 17. 3.

(128) A person paid away 2s. 6d., 5s. 8 $\frac{1}{2}$ d., 4s. 9d., 3s. 7d., 8s. 9d., 11s. 6 $\frac{1}{2}$ d. and 16s. 2d., and had then left 13s. 6d.: how much had he at first?

(129) A merchant bought 7 chests of tea, for which he paid £2. 13. 6, £3. 11. 9 $\frac{1}{2}$ , £2. 18. 10, £3. 16. 8, £3. 14. 5 $\frac{1}{2}$ , £4. 19. 5 $\frac{1}{2}$  and £4. 2. 9 respectively. What was the total sum paid?

(130) From a certain sum £9. 11. 6 $\frac{1}{2}$  was taken and there remained £5. 2. 8 $\frac{1}{4}$ : what was the sum?

(131) A workman thus spends his weekly wages: Rent 3s. 9d., Provisions 15s. 8 $\frac{1}{2}$ d., Clothing 2s. 6d., Sundries 3s. 10d., and after paying 5s. into Savings' Bank has 3s. 6d. left: what are his weekly wages?

(132) Paid £2. 13. 8 for gas in March, £1. 19. 6 in June, £2. 11. 10 $\frac{1}{2}$  in September and £4. 5. 9 $\frac{1}{4}$  in December: find the amount paid in the year.

(133) Find the sum £13 + 13 guineas + 13 half-guineas + 13 half-crowns + 13 farthings.

(134) In building a house the expense was as follows: Lime £4. 13. 8, Sand £1. 0. 6, Bricks £13. 9. 10, Wood-work £9. 19. 6, Cartage £17. 10. 6, Men's wages £79. 18. 3. What was the entire cost of the house if £24. 0. 0 was paid for the site?

(135) A servant pays the following accounts: Baker 11s. 9d., Butcher £2. 1. 6, Greengrocer 8s. 6 $\frac{1}{2}$ d., Milkman 5s. 3d. and Sundries 10s. 9d., she has then left 15s. 8 $\frac{1}{2}$ d. out of the sum given her. What was the sum?

(136) Add together the items of a bill as follows: 11s. 6d., 5s. 9½d., 7s. 1½d., 8s. 2¼d., 5s. 9½d., 6s. 11¾d., 9s. 6d., 3s. 3¼d. and 5s. 6½d.

(137) Reduce to account money the sum of 51 crowns + 111 florins + 80 ninepences + 36 sixpences + 103 fourpences + 23 threepences.

(138) What salary has a clerk who spends £26. 10. 10½ each quarter and saves 38 guineas in the year?

(139) Reduce to account money the sum of 1102 shillings + 1102 pence + 1102 half-pence + 1102 farthings.

(140) What sum was paid for 6 Chairs costing £1. 14. 0, a Table £2. 13. 0, Carpet £3. 12. 0, Fender and fire-irons 18s. 6d., Curtains £1 15. 0, Hearth-rug 19s., Chimney-glass £2. 12. 6, and Pictures and Ornaments 3½ guineas?

(141) A gentleman paid for paving £9. 19. 6, for plumber's work £2. 18. 0, carpenter's ditto £4. 19. 0, plastering £1. 11. 10½, white-washing £1. 15. 8, paper-hanging £4. 13. 8, painting £11. 16. 9, and for general repairs £3. 18. 6½. What was the total sum paid?

(142) What is the amount of salaries paid to five clerks who receive annually £340. 10. 0, £289. 13. 0, 220 guineas, 193 guineas and 85½ guineas respectively?

(143) What amount does a booking clerk receive who issues 501 penny, 384 threepenny, 494 sixpenny, and 194 eightpenny tickets?

(144) A mistake is made in adding together the items of a bill; it is made out for £124. 16. 2½, which is less than the true amount by £2. 11. 11¾. What is the right amount?

(145) A farmer sells 16 bullocks for £235. 16. 0, 138 sheep for £392. 10. 6, 51 calves at a guinea and a half each, and 3½ score of pigs at the rate of £64 for each score. What amount of money did the whole realise?

(146) A person pays at various times £2. 11. 10½, £9. 16. 4¼, £3. 19. 6½, £11. 11. 10 and £5; he still owes £23. 16. 0. What did he owe at first?

(147) A draper buys calico to the value of £134. 10. 6, linen £432. 3. 8, cambric £121. 11. 0, prints £118. 10. 0, stuffs £319. 14. 6, and silks £580. 19. 0. What is the value of his stock thus acquired?

(148) What did I pay for 1 vol. Longfellow's poems at 5s. 6d., 1 do. Campbell's 6s. 6d., 1 do. Scott's 7s. 6d., 1 do. Byron's 4s. 6d., and 1 set of Waverley Novels at £4. 4. 0 the set?

(149) Find the sum of £1. 11. 6 + 16s. 9d. + 3s. 8½d. + 19s. 10¼d. + £2. 1. 9 + 18s. 6¼d. + 19s. 11¾d. + 18s. 6d. + 17s. 2½d. + 15s. 8½d. + £14. 17. 0 + £1. 19. 9½.

(150) Find by compound addition the value of 13 articles at £3. 18. 10¾ each.

## COMPOUND SUBTRACTION.

|                            |                             |                                 |                             |                                |
|----------------------------|-----------------------------|---------------------------------|-----------------------------|--------------------------------|
| (1)                        | (2)                         | (3)                             | (4)                         | (5)                            |
| £. s. d.<br>7 9 6<br>3 4 4 | £. s. d.<br>90 3 7<br>4 2 3 | £. s. d.<br>75 18 11<br>29 16 4 | £. s. d.<br>30 2 6<br>7 0 2 | £. s. d.<br>100 13 4<br>73 8 1 |
| (6)                        | (7)                         | (8)                             | (9)                         | (10)                           |
| 19 10 6<br>5 6 7           | 7 3 8<br>2 1 10             | 17 10 9<br>13 5 11              | 12 10 5<br>7 9 6            | 3 18 4<br>1 12 9               |
| (11)                       | (12)                        | (13)                            | (14)                        | (15)                           |
| 73 10 5<br>5 10 7          | 60 15 6<br>17 17 9          | 80 16 3<br>7 17 10              | 50 1 11<br>7 2 7            | 90 15 0<br>30 17 3             |
| (16)                       | (17)                        | (18)                            | (19)                        | (20)                           |
| 3 2 6½<br>1 2 9¼           | 9 0 5¾<br>7 1 9½            | 9 7 2¼<br>7 3 9½                | 16 16 6<br>3 18 9           | 30 12 4½<br>5 9 7¼             |
| (21)                       | (22)                        | (23)                            | (24)                        | (25)                           |
| 105 12 7¼<br>37 16 9½      | 109 13 6¼<br>73 19 7½       | 130 3 6<br>72 1 10½             | 170 11 1<br>76 13 8¼        | 308 1 7<br>92 9 9½             |
| (26)                       | (27)                        | (28)                            | (29)                        | (30)                           |
| 71 13 0<br>13 1 9½         | 100 0 0¼<br>17 0 9½         | 306 12 11<br>5 12 11½           | 105 0 1¾<br>16 17 7         | 71 3 6<br>29 16 7½             |
| (31)                       | (32)                        | (33)                            | (34)                        | (35)                           |
| 130 13 6½<br>111 14 9¼     | 5 0 0<br>15 5½              | 270 2 6<br>19 16 8½             | 102 1 1<br>22 2 2           | 13 7 0¼<br>2 19 3              |

|      |    |                  |      |    |                  |      |    |                 |      |    |                  |      |    |                  |
|------|----|------------------|------|----|------------------|------|----|-----------------|------|----|------------------|------|----|------------------|
| (36) |    |                  | (37) |    |                  | (38) |    |                 | (39) |    |                  | (40) |    |                  |
| £.   | s. | d.               | £.   | s. | d.               | £.   | s. | d.              | £.   | s. | d.               | £.   | s. | d.               |
| 160  | 17 | 5 $\frac{1}{4}$  | 1102 | 1  | 6                | 300  | 1  | 3 $\frac{1}{2}$ | 990  | 9  | 1 $\frac{1}{2}$  | 301  | 3  | 10               |
| 99   | 18 | 9 $\frac{3}{4}$  | 70   | 5  | 9 $\frac{1}{2}$  | 16   | 10 | 7 $\frac{3}{4}$ | 99   | 17 | 6 $\frac{3}{4}$  | 175  | 19 | 11               |
| (41) |    |                  | (42) |    |                  | (43) |    |                 | (44) |    |                  | (45) |    |                  |
| 400  | 4  | 4 $\frac{1}{2}$  | 302  | 13 | 1 $\frac{1}{2}$  | 474  | 1  | 2               | 13   | 2  | 9 $\frac{1}{4}$  | 102  | 11 | 9                |
| 71   | 13 | 6 $\frac{3}{4}$  | 67   | 19 | 6 $\frac{1}{4}$  | 99   | 8  | 8 $\frac{1}{2}$ | 6    | 11 | 9 $\frac{1}{2}$  | 76   | 18 | 5 $\frac{1}{2}$  |
| (46) |    |                  | (47) |    |                  | (48) |    |                 | (49) |    |                  | (50) |    |                  |
| 500  | 17 | 6                | 103  | 9  | 1 $\frac{1}{4}$  | 203  | 13 | 1 $\frac{1}{2}$ | 413  | 1  | 7                | 1031 | 7  | 6 $\frac{1}{2}$  |
| 27   | 19 | 9 $\frac{1}{2}$  | 72   | 19 | 6                | 201  | 19 | 6 $\frac{3}{4}$ | 198  | 8  | 10 $\frac{3}{4}$ | 32   | 5  | 9 $\frac{1}{4}$  |
| (51) |    |                  | (52) |    |                  | (53) |    |                 | (54) |    |                  | (55) |    |                  |
| 702  | 1  | 6 $\frac{1}{2}$  | 626  | 11 | 8                | 170  | 1  | 9 $\frac{1}{2}$ | 702  | 1  | 7 $\frac{1}{2}$  | 7051 | 11 | 7 $\frac{1}{4}$  |
| 135  | 14 | 9                | 33   | 13 | 9                | 99   | 19 | 6 $\frac{3}{4}$ | 196  | 11 | 9 $\frac{3}{4}$  | 438  | 16 | 5 $\frac{1}{2}$  |
| (56) |    |                  | (57) |    |                  | (58) |    |                 | (59) |    |                  | (60) |    |                  |
| 1026 | 1  | 9                | 306  | 4  | 4                | 190  | 7  | 6 $\frac{1}{2}$ | 60   | 12 | 1                | 2019 | 2  | 1 $\frac{1}{4}$  |
| 729  | 8  | 10 $\frac{1}{2}$ | 92   | 17 | 7 $\frac{1}{2}$  | 90   | 19 | 5 $\frac{1}{4}$ | 13   | 17 | 0 $\frac{3}{4}$  | 116  | 9  | 7 $\frac{1}{2}$  |
| (61) |    |                  | (62) |    |                  | (63) |    |                 | (64) |    |                  | (65) |    |                  |
| 112  | 12 | 8                | 904  | 14 | 2 $\frac{1}{2}$  | 121  | 19 | 9 $\frac{1}{4}$ | 707  | 7  | 7 $\frac{1}{2}$  | 2193 | 3  | 11               |
| 74   | 14 | 9                | 26   | 17 | 9 $\frac{1}{4}$  | 120  | 19 | 9 $\frac{3}{4}$ | 29   | 14 | 8 $\frac{1}{2}$  | 2093 | 16 | 11 $\frac{1}{4}$ |
| (66) |    |                  | (67) |    |                  | (68) |    |                 | (69) |    |                  | (70) |    |                  |
| 570  | 1  | 6                | 1000 | 10 | 11               | 1650 | 6  | 9               | 540  | 14 | 4 $\frac{1}{2}$  | 606  | 13 | 8 $\frac{1}{4}$  |
| 38   | 4  | 6 $\frac{3}{4}$  | 55   | 10 | 11 $\frac{1}{2}$ | 1059 | 6  | 7 $\frac{3}{4}$ | 12   | 17 | 9 $\frac{3}{4}$  | 66   | 19 | 9 $\frac{1}{2}$  |
| (71) |    |                  | (72) |    |                  | (73) |    |                 | (74) |    |                  | (75) |    |                  |
| 111  | 11 | 11               | 200  | 0  | 0                | 2114 | 3  | 8 $\frac{1}{2}$ | 1300 | 6  | 6                | 1702 | 13 | 7 $\frac{1}{4}$  |
| 101  | 13 | 9 $\frac{1}{4}$  | 70   | 9  | 6                | 297  | 16 | 9 $\frac{3}{4}$ | 626  | 6  | 8                | 1660 | 15 | 3 $\frac{1}{2}$  |
| (76) |    |                  | (77) |    |                  | (78) |    |                 | (79) |    |                  | (80) |    |                  |
| 2017 | 13 | 4                | 4195 | 6  | 3                | 1244 | 3  | 8 $\frac{1}{4}$ | 302  | 2  | 2 $\frac{1}{2}$  | 976  | 13 | 6 $\frac{1}{2}$  |
| 309  | 16 | 9                | 2037 | 16 | 4 $\frac{1}{2}$  | 933  | 16 | 9 $\frac{1}{2}$ | 19   | 16 | 9 $\frac{3}{4}$  | 176  | 19 | 9 $\frac{1}{4}$  |

|        |    |     |        |    |    |        |    |    |        |    |     |       |    |     |
|--------|----|-----|--------|----|----|--------|----|----|--------|----|-----|-------|----|-----|
| (81)   |    |     | (82)   |    |    | (83)   |    |    | (84)   |    |     | (85)  |    |     |
| £      | s. | d.  | £      | s. | d. | £      | s. | d. | £      | s. | d.  | £     | s. | d.  |
| 119    | 5  | 1¼  | 2081   | 1  | 7½ | 310    | 13 | 7  | 1906   | 15 | 5½  | 1030  | 0  | 3   |
| 37     | 16 | 9   | 396    | 13 | 9¼ | 31     | 18 | 9  | 903    | 16 | 7¼  | 79    | 17 | 9¼  |
| (86)   |    |     | (87)   |    |    | (88)   |    |    | (89)   |    |     | (90)  |    |     |
| 1021   | 16 | 9¼  | 1303   | 11 | 3  | 500    | 1  | 6½ | 90     | 18 | 0   | 600   | 6  | 8   |
| 729    | 17 | 10½ | 976    | 13 | 9½ | 73     | 19 | 9¾ | 7      | 18 | 5¼  | 305   | 1  | 10½ |
| (91)   |    |     | (92)   |    |    | (93)   |    |    | (94)   |    |     | (95)  |    |     |
| 1210   | 16 | 7¾  | 702    | 13 | 6½ | 1902   | 1  | 7½ | 244    | 4  | 6   | 102   | 1  | 6   |
| 996    | 19 | 9½  | 135    | 13 | 7¾ | 777    | 7  | 7¾ | 79     | 19 | 8½  | 31    | 0  | 11¼ |
| (96)   |    |     | (97)   |    |    | (98)   |    |    | (99)   |    |     | (100) |    |     |
| 1302   | 6  | 3½  | 3061   | 13 | 6½ | 9026   | 14 | 7¼ | 204    | 1  | 5   | 998   | 6  | 2   |
| 726    | 19 | 7½  | 796    | 19 | 3¾ | 313    | 17 | 6½ | 44     | 11 | 10½ | 73    | 13 | 5½  |
| (101)  |    |     | (102)  |    |    | (103)  |    |    | (104)  |    |     | (105) |    |     |
| 9261   | 18 | 1¼  | 1024   | 0  | 0¼ | 1446   | 13 | 5½ | 1968   | 16 | 1¼  | 8001  | 1  | 10  |
| 799    | 16 | 11½ | 113    | 7  | 0½ | 769    | 18 | 7¾ | 1877   | 17 | 9   | 63    | 17 | 11  |
| (106)  |    |     | (107)  |    |    | (108)  |    |    | (109)  |    |     | (110) |    |     |
| 900    | 11 | 2   | 365    | 10 | 6  | 1902   | 15 | 6¼ | 1721   | 0  | 3   | 1304  | 4  | 7   |
| 174    | 19 | 8   | 65     | 13 | 7¼ | 113    | 17 | 9½ | 29     | 6  | 5¼  | 399   | 12 | 6½  |
| (111)  |    |     | (112)  |    |    | (113)  |    |    | (114)  |    |     |       |    |     |
| £      | s. | d.  | £      | s. | d. | £      | s. | d. | £      | s. | d.  |       |    |     |
| 10000  | 1  | 6   | 30012  | 13 | 4  | 119031 | 5  | 6  | 120311 | 13 | 6½  |       |    |     |
| 920    | 8  | 8   | 17306  | 18 | 9¼ | 78029  | 15 | 7½ | 75196  | 18 | 2¾  |       |    |     |
| (115)  |    |     | (116)  |    |    | (117)  |    |    | (118)  |    |     |       |    |     |
| 190031 | 7  | 0   | 313106 | 13 | 9½ | 90000  | 0  | 0  | 27219  | 0  | 6½  |       |    |     |
| 3609   | 18 | 5½  | 79517  | 16 | 11 | 1033   | 16 | 3  | 5031   | 12 | 9¾  |       |    |     |
| (119)  |    |     | (120)  |    |    | (121)  |    |    | (122)  |    |     |       |    |     |
| 750105 | 2  | 6   | 190213 | 16 | 0½ | 110216 | 19 | 0¾ | 103116 | 3  | 1½  |       |    |     |
| 27216  | 13 | 4½  | 73194  | 17 | 5¾ | 75326  | 19 | 9½ | 11379  | 16 | 7¼  |       |    |     |

| (123)   |    |     | (124)   |    |    | (125)  |    |    | (126)   |    |     |
|---------|----|-----|---------|----|----|--------|----|----|---------|----|-----|
| £.      | s. | d.  | £.      | s. | d. | £.     | s. | d. | £.      | s. | d.  |
| 200120  | 13 | 6½  | 1161302 | 3  | 8  | 713036 | 11 | 5  | 1102161 | 18 | 1¼  |
| 20173   | 9  | 7½  | 303037  | 15 | 9  | 70316  | 11 | 7  | 517033  | 19 | 1½  |
| (127)   |    |     | (128)   |    |    | (129)  |    |    | (130)   |    |     |
| 313021  | 6  | 3   | 190311  | 14 | 4  | 213906 | 13 | 0¼ | 117061  | 13 | 2   |
| 79633   | 13 | 9   | 72006   | 15 | 6  | 13619  | 16 | 7½ | 38156   | 15 | 8½  |
| (131)   |    |     | (132)   |    |    | (133)  |    |    | (134)   |    |     |
| 1000000 | 0  | 0   | 302156  | 9  | 0½ | 177906 | 3  | 5  | 112123  | 4  | 6   |
| 110011  | 5  | 5   | 70209   | 16 | 9¾ | 7269   | 18 | 6  | 73029   | 16 | 9½  |
| (135)   |    |     | (136)   |    |    | (137)  |    |    | (138)   |    |     |
| 102116  | 3  | 1¼  | 403131  | 13 | 2½ | 809116 | 17 | 6  | 113041  | 3  | 1½  |
| 70291   | 16 | 10½ | 76095   | 16 | 6¼ | 30915  | 18 | 9  | 21306   | 9  | 7¾  |
| (139)   |    |     | (140)   |    |    | (141)  |    |    | (142)   |    |     |
| 721306  | 6  | 1¼  | 219910  | 3  | 3  | 99091  | 3  | 6  | 170316  | 0  | 3¼  |
| 69404   | 8  | 6½  | 3416    | 2  | 7  | 7209   | 18 | 5¾ | 60196   | 1  | 7¾  |
| (143)   |    |     | (144)   |    |    | (145)  |    |    | (146)   |    |     |
| 200013  | 3  | 1½  | 906113  | 6  | 8½ | 203113 | 6  | 7  | 902015  | 9  | 6½  |
| 7696    | 13 | 7   | 79137   | 16 | 9¾ | 92163  | 9  | 8½ | 21367   | 16 | 9¾  |
| (147)   |    |     | (148)   |    |    | (149)  |    |    | (150)   |    |     |
| 302131  | 7  | 5   | 1100001 | 0  | 1  | 129021 | 0  | 5  | 1340506 | 13 | 8¼  |
| 91036   | 19 | 6   | 60137   | 0  | 7  | 13069  | 7  | 11 | 113069  | 17 | 10½ |

(151) By how much is £20. 10. 11 more than £19. 11. 10½?

(152) By how much is £20. 17. 11 less than £119. 11. 5½?

(153) A person pays £6. 15. 8½ of a debt of £10. What is still owing?

(154) Find the value of £103. 16. 6 + £29. 19. 9½ + £73. 12. 6 + £19. 6. 0 - £180. 19. 11¾.

(155) Take £5. 11. 10½ from £16. 8. 11¼.

(156) Which is the greater, and by how much, £5. 11. 10½ + £2. 1. 9¼ or £7. 9. 6½ + 5s. 8¾d.?

(157) From £20 take 2000 farthings.

(158) From 3½ guineas take 13½ half-pence.

(159) A tradesman's accounts shewed receipts £209. 16. 0½, Expenses £305. 11. 2¼: find amount of loss.

(160) A farmer pays £709. 16. 0 a year for rent. His Wheat brings him in £203. 19. 0, Barley £140, Oats £475. 10. 6, Root-crops £232, and Hay £483. 12. 6. He pays in wages £236. 16. 0 and for seeds £136. 11. 10. What is his gain?

(161) A merchant pays £23. 16. 0, £107. 18. 0, and £191. 16. 8, and receives £230. 12. 0, £516. 17. 6 and £143. 2. 6. How much more does he receive than he pays?

(162) Find the difference of £130. 12. 6 and 130 half-guineas.

(163) Add together £13. 16. 8, £2. 11. 10½, £19. 16. 8½ and £14. 17. 6½, and from the sum take £23. 19. 9¼.

(164) *A* sent to *B* on Jan. 4, Goods £29. 16. 9, Jan. 28, Goods £19. 16. 9½, and Feb. 3, Goods £16. 12. 6, and received from *B*, Feb. 3, Cash £13. 10. 0, March 1, Cash £10. 10. 0, and on July 6 the Balance. Find this balance.

(165) From £130. 1. 1¼ take the sum of £27, £28, £29. 16. 0 and £24. 13. 10.

(166) From £1. 16. 9½ take 3 times the half of 1148 farthings.

(167) *A* owes *B* £117. 16. 8 and pays £110. 19. 9, *B* owes *A* £136. 14. 7 and pays £119. 12. 11. How much does *B* still owe *A*?

(168) Find the value of 16s. 4d. + 13s. 8d. + 12s. 10½d. - 18s. 6¼d. + 11s. 6½d. - 12s. 10¾d. + £1. 2. 6 - £1 19. 9.

(169) From 22 guineas take the sum of 22 half-guineas, 22 half-crowns, and 22 farthings.

(170) Reduce the difference of £11. 11. 6 and £9. 19. 8 to two-pences.

(171) From twice 12s. 7½d. take three times 1s. 11¼d.

(172) Find by addition the value of 5 times £1. 18. 6½ and 7 times £1. 14. 10½, and reduce to farthings the difference of the two results.

(173) A merchant's Cash Book shews Cash on hand £313. 6. 8, Cash in bank £2000, Cash paid £4416. 12. 8, Cash received £5916. 12. 8. What is the balance in his favour?

(174) From 31 half-guineas take 31 half-pence.

(175) After paying away £2. 19. 3½ what should I have left out of two £5 notes?

(176) *A* has £20 and pays *B* 365 pence, *B* has 1820 pence and pays *A* £5. 19. 10½. How much has *A* more than *B*?

(177) A farmer buys 3 horses costing respectively 28, 38½ and 48 guineas, and pays for them with a cheque for £100 and cash. How much cash does he pay?

(178) How much must be added to £4. 17. 9½ to make the sum total £5. 10. 0?

(179) What remains after subtracting £24. 13. 8¼ four times from £100?

(180) The income of a railway was, from Passenger traffic £1011447. 13. 1, from Goods £2119383. 16. 4, from Sale of old material £732605. 9. 1¾; the expenditure was, Salaries £242687. 17. 7, Expended on plant £790683. 12. 1, Gas £8760. 15. 0, Rates, &c. £42126. 11. 6, and Sundry expenses £21190. 4. 4. What was the total gain?

(181) Take £200. 11. 6½ from £502. 9. 8¾, and find the difference of the remainder and £126. 11. 9½.

(182) What sum must be added to twice 13s. 6½*d.* to make two guineas?

(183) What cash must I pay with three £10 notes, six £5 notes, and a cheque for £11. 17. 10½, to pay a bill of £86. 0. 1½?

(184) How many times is 1s. 9*d.* contained in the difference of 43 guineas and 33 half-guineas?

(185) What cash payment will settle an account of £40. 10. 0 of which £26. 13. 8 has been paid and on which a discount of £1. 15. 0 is further allowed?

(186) From £21 take 21 times 21 pence.

(187) Find the value of £1. 11. 10 + £2. 12. 6 + £9. 16. 3 - £1. 15. 7 - £23. 16. 7 + £24. 19. 8 + £1. 17. 10.

(188) Bought goods for £20. 17. 6 and sold them at a loss of £1. 19. 9 : for what were they sold ?

(189) By selling goods for £6. 16. 8½ I lose 13s. 6½*d.* What did they cost me ?

(190) If I sold goods at £15. 10. 0, thus gaining £1. 15. 10¼, what did they cost me ?

(191) Find the sum of £9. 2. 6 + 15s. 6*d.* + 13s. 8*d.* + 18s. 6*d.* + 13s. 7½*d.*, and from this sum take £1. 14. 7½.

(192) By how much is twice 14s. 9¼*d.* short of 30 shillings ?

(193) From a thousand guineas take the sum of 1000 crowns + 1000 half-crowns + 1000 pence.

(194) A person paid 26s. 10½*d.* second class fare from Manchester to King's Cross. What change did he receive out of a five pound note ?

(195) A merchant on winding up his affairs finds that he has lost 300 guineas and that cash and stock amount to £7400. With what sum did he begin business ?

(196) Multiply 2031 pence by 29, reduce the result to account money, and find by how much it differs from £400.

(197) From 101½ half-guineas take 3001 half-pence.

(198) Bought goods for £21. 12. 0, on which is allowed £1. 17. 6 discount ; I sell them for £28. 19. 6, and allow £2. 1. 4 discount. What is my net profit ?

(199) Received three cheques each £143. 17. 6 and a bill payable at 3 months in settlement of an account for £600. For what amount was the bill drawn ?

(200) *A* owes *B* £11. 11. 6½, *B* owes *A* £19. 16. 7¼, *B* pays *A* £18. 17. 3¼, and *A* pays *B* £9. 14. 8½. Which is indebted, and how much ?

## COMPOUND MULTIPLICATION.

|      | £. | s. | d.       |      | £. | s. | d.        |
|------|----|----|----------|------|----|----|-----------|
| (1)  | 2  | 3  | 9 × 2    | (31) | 19 | 0½ | × 32      |
| (2)  | 7  | 9  | 6 × 3    | (32) | 1  | 13 | 4½ × 45   |
| (3)  | 3  | 10 | 5 × 4    | (33) | 6  | 19 | 7½ × 48   |
| (4)  | 8  | 16 | 7 × 5    | (34) | 2  | 12 | 2½ × 64   |
| (5)  | 1  | 19 | 6 × 6    | (35) | 2  | 16 | 8 × 99    |
| (6)  | 3  | 15 | 4 × 7    | (36) | 1  | 14 | 5¼ × 120  |
| (7)  | 8  | 16 | 9 × 8    | (37) | 7  | 2  | 6 × 125   |
| (8)  | 5  | 11 | 7 × 9    | (38) | 9  | 0  | 11½ × 144 |
| (9)  | 6  | 13 | 9 × 10   | (39) | 3  | 16 | 7¾ × 63   |
| (10) | 4  | 15 | 8 × 11   | (40) | 8  | 15 | 8½ × 75   |
| (11) | 3  | 19 | 10 × 12  | (41) | 2  | 19 | 6½ × 147  |
| (12) | 6  | 9  | 6½ × 3   | (42) | 3  | 14 | 7½ × 320  |
| (13) | 7  | 7  | 5¼ × 5   | (43) | 6  | 13 | 2¼ × 168  |
| (14) | 6  | 3  | 6½ × 7   | (44) | 5  | 19 | 6¼ × 17   |
| (15) | 9  | 2  | 7¾ × 9   | (45) | 3  | 18 | 2¼ × 23   |
| (16) | 8  | 12 | 11¼ × 11 | (46) | 9  | 10 | 9½ × 85   |
| (17) | 6  | 13 | 5½ × 2   | (47) | 5  | 5  | 5½ × 97   |
| (18) | 19 | 17 | 6½ × 4   | (48) | 5  | 13 | 11¼ × 103 |
| (19) | 15 | 3  | 8¼ × 6   | (49) | 6  | 19 | 8½ × 601  |
| (20) | 17 | 19 | 6¾ × 8   | (50) | 2  | 1  | 4¼ × 661  |
| (21) | 5  | 13 | 7½ × 10  | (51) | 17 | 10 | 5½ × 79   |
| (22) | 6  | 11 | 10¼ × 12 | (52) | 38 | 14 | 6¼ × 85   |
| (23) | 3  | 17 | 6½ × 14  | (53) | 29 | 13 | 7½ × 67   |
| (24) | 8  | 14 | 7¼ × 16  | (54) | 19 | 16 | 2½ × 93   |
| (25) | 9  | 16 | 9¼ × 15  | (55) | 76 | 15 | 6½ × 109  |
| (26) | 27 | 19 | 3½ × 18  | (56) | 18 | 12 | 2¼ × 117  |
| (27) | 10 | 12 | 11 × 20  | (57) | 33 | 3  | 4 × 91    |
| (28) | 9  | 15 | 5½ × 25  | (58) | 62 | 1  | 7¼ × 31   |
| (29) | 7  | 2  | 9¼ × 22  | (59) | 2  | 12 | 4 × 137   |
| (30) | 17 | 6½ | × 36     | (60) | 3  | 13 | 9 × 184   |

|      | £. | s. | d.                         |       | £. | s. | d.                         |
|------|----|----|----------------------------|-------|----|----|----------------------------|
| (61) | 8  | 13 | $6\frac{1}{2} \times 185$  | (99)  | 6  | 13 | $8\frac{1}{4} \times 149$  |
| (62) | 2  | 15 | $5\frac{1}{2} \times 286$  | (100) | 7  | 12 | $4\frac{1}{2} \times 236$  |
| (63) | 7  | 9  | $5\frac{3}{4} \times 291$  | (101) | 4  | 14 | $6 \times 299$             |
| (64) | 13 | 10 | $6\frac{1}{2} \times 372$  | (102) | 4  | 7  | $8\frac{1}{4} \times 992$  |
| (65) | 7  | 16 | $4\frac{1}{4} \times 116$  | (103) | 5  | 11 | $4\frac{3}{4} \times 173$  |
| (66) | 2  | 19 | $6\frac{1}{4} \times 129$  | (104) | 3  | 19 | $6 \times 197$             |
| (67) | 1  | 16 | $6\frac{1}{2} \times 307$  | (105) | 5  | 16 | $2\frac{1}{4} \times 920$  |
| (68) | 1  | 15 | $8 \times 395$             | (106) | 6  | 17 | $3\frac{1}{4} \times 384$  |
| (69) | 2  | 14 | $9\frac{1}{2} \times 672$  | (107) | 1  | 19 | $11\frac{3}{4} \times 195$ |
| (70) | 7  | 2  | $5\frac{1}{2} \times 318$  | (108) | 19 | 13 | $7\frac{1}{2} \times 929$  |
| (71) | 6  | 19 | $0\frac{3}{4} \times 446$  | (109) | 27 | 14 | $6\frac{3}{4} \times 116$  |
| (72) | 5  | 19 | $11\frac{3}{4} \times 915$ | (110) | 18 | 12 | $6\frac{1}{2} \times 377$  |
| (73) | 4  | 17 | $10\frac{1}{2} \times 987$ | (111) | 66 | 11 | $7\frac{1}{4} \times 629$  |
| (74) | 9  | 15 | $8\frac{3}{4} \times 989$  | (112) | 35 | 13 | $0\frac{1}{2} \times 946$  |
| (75) | 15 | 11 | $6\frac{3}{4} \times 886$  | (113) | 29 | 12 | $6\frac{1}{4} \times 482$  |
| (76) | 3  | 14 | $10\frac{1}{2} \times 207$ | (114) | 76 | 11 | $5\frac{3}{4} \times 435$  |
| (77) | 9  | 16 | $8\frac{3}{4} \times 319$  | (115) | 58 | 15 | $11\frac{1}{2} \times 721$ |
| (78) | 10 | 12 | $11\frac{1}{4} \times 116$ | (116) | 39 | 16 | $11\frac{3}{4} \times 119$ |
| (79) | 7  | 19 | $6\frac{1}{2} \times 582$  | (117) | 76 | 17 | $8 \times 211$             |
| (80) | 8  | 13 | $9\frac{1}{4} \times 497$  | (118) | 96 | 13 | $9 \times 713$             |
| (81) | 1  | 17 | $5\frac{1}{2} \times 365$  | (119) | 99 | 19 | $10\frac{1}{2} \times 371$ |
| (82) | 2  | 19 | $3\frac{3}{4} \times 799$  | (120) | 82 | 13 | $11\frac{3}{4} \times 694$ |
| (83) | 2  | 18 | $0\frac{1}{2} \times 815$  | (121) | 83 | 15 | $7\frac{1}{4} \times 872$  |
| (84) | 2  | 9  | $5\frac{1}{4} \times 474$  | (122) | 57 | 9  | $8\frac{1}{2} \times 116$  |
| (85) | 2  | 10 | $7 \times 509$             | (123) | 37 | 6  | $11\frac{1}{4} \times 928$ |
| (86) | 3  | 11 | $8\frac{1}{4} \times 673$  | (124) | 38 | 3  | $11\frac{3}{4} \times 595$ |
| (87) | 3  | 16 | $5\frac{3}{4} \times 862$  | (125) | 43 | 11 | $9 \times 862$             |
| (88) | 7  | 15 | $8\frac{1}{2} \times 991$  | (126) | 47 | 10 | $10 \times 935$            |
| (89) |    | 19 | $9\frac{3}{4} \times 339$  | (127) | 52 | 11 | $8 \times 976$             |
| (90) |    | 17 | $2\frac{1}{2} \times 358$  | (128) | 15 | 13 | $7\frac{1}{4} \times 599$  |
| (91) |    | 13 | $6\frac{1}{2} \times 967$  | (129) | 29 | 12 | $6\frac{1}{2} \times 1869$ |
| (92) |    | 19 | $7\frac{1}{4} \times 702$  | (130) | 33 | 17 | $3\frac{1}{4} \times 1720$ |
| (93) | 1  | 0  | $6\frac{1}{4} \times 917$  | (131) | 37 | 16 | $1\frac{1}{4} \times 3862$ |
| (94) | 10 | 11 | $9\frac{1}{2} \times 776$  | (132) | 38 | 14 | $2\frac{1}{2} \times 3754$ |
| (95) | 6  | 13 | $7\frac{3}{4} \times 862$  | (133) | 98 | 9  | $2\frac{1}{4} \times 6928$ |
| (96) | 7  | 15 | $8\frac{1}{2} \times 954$  | (134) | 97 | 3  | $3\frac{1}{4} \times 1968$ |
| (97) | 9  | 2  | $6\frac{1}{2} \times 376$  | (135) | 98 | 5  | $7\frac{1}{2} \times 7013$ |
| (98) | 15 | 17 | $8\frac{3}{4} \times 914$  | (136) | 86 | 8  | $5 \times 5678$            |

|       | £. | s. | d.                     |       | £.    | s.   | d.                        |       |
|-------|----|----|------------------------|-------|-------|------|---------------------------|-------|
| (137) | 75 | 4  | $3\frac{1}{2} \times$  | 2345  | (169) | 38   | 13 $2\frac{1}{2} \times$  | 6669  |
| (138) | 44 | 14 | $5\frac{1}{2} \times$  | 1766  | (170) | 27   | 9 $1\frac{1}{2} \times$   | 7068  |
| (139) | 41 | 7  | $8\frac{1}{2} \times$  | 1968  | (171) | 616  | 9 $7\frac{1}{4} \times$   | 507   |
| (140) | 1  | 16 | $9\frac{1}{2} \times$  | 2963  | (172) | 372  | 3 $11\frac{1}{2} \times$  | 692   |
| (141) | 2  | 13 | $10\frac{1}{2} \times$ | 1594  | (173) | 116  | 4 $11\frac{3}{4} \times$  | 315   |
| (142) | 1  | 15 | $11\frac{1}{4} \times$ | 4444  | (174) | 902  | 14 $9\frac{1}{2} \times$  | 869   |
| (143) | 1  | 14 | $10\frac{1}{2} \times$ | 3786  | (175) | 729  | 13 6 $\times$             | 926   |
| (144) | 2  | 12 | $6\frac{1}{4} \times$  | 9218  | (176) | 1586 | 16 5 $\times$             | 705   |
| (145) | 3  | 13 | $5\frac{1}{4} \times$  | 5007  | (177) | 929  | 4 $4\frac{1}{2} \times$   | 434   |
| (146) | 7  | 17 | $6\frac{3}{4} \times$  | 3037  | (178) | 721  | 5 $3\frac{1}{4} \times$   | 698   |
| (147) | 1  | 16 | $7\frac{3}{4} \times$  | 3700  | (179) | 672  | 6 8 $\times$              | 591   |
| (148) | 5  | 13 | $9\frac{1}{2} \times$  | 8609  | (180) | 344  | 4 9 $\times$              | 376   |
| (149) | 4  | 14 | 10 $\times$            | 9805  | (181) | 849  | 12 $7\frac{1}{2} \times$  | 590   |
| (150) | 4  | 11 | $11\frac{3}{4} \times$ | 19615 | (182) | 407  | 2 $6\frac{3}{4} \times$   | 603   |
| (151) | 4  | 10 | $9\frac{1}{2} \times$  | 72968 | (183) | 1403 | 3 $11\frac{1}{4} \times$  | 721   |
| (152) | 3  | 11 | $1\frac{1}{4} \times$  | 38672 | (184) | 8307 | 8 $9\frac{3}{4} \times$   | 699   |
| (153) | 11 | 14 | $7\frac{1}{4} \times$  | 4796  | (185) | 7206 | 16 $7\frac{1}{2} \times$  | 472   |
| (154) | 16 | 13 | $6\frac{3}{4} \times$  | 956   | (186) | 113  | 17 $8\frac{1}{4} \times$  | 4004  |
| (155) | 19 | 16 | $9\frac{3}{4} \times$  | 721   | (187) | 96   | 19 $6\frac{1}{2} \times$  | 3158  |
| (156) | 17 | 13 | $7\frac{1}{2} \times$  | 801   | (188) | 83   | 13 $5\frac{1}{2} \times$  | 7296  |
| (157) | 13 | 15 | $0\frac{3}{4} \times$  | 903   | (189) | 909  | 11 7 $\times$             | 8036  |
| (158) | 25 | 18 | $5\frac{1}{2} \times$  | 5013  | (190) | 736  | 3 9 $\times$              | 6945  |
| (159) | 76 | 13 | $0\frac{1}{4} \times$  | 2960  | (191) | 198  | 14 11 $\times$            | 5269  |
| (160) | 13 | 19 | 10 $\times$            | 1776  | (192) | 72   | 15 $6\frac{1}{2} \times$  | 9680  |
| (161) | 29 | 15 | 8 $\times$             | 4480  | (193) | 86   | 16 9 $\times$             | 40769 |
| (162) | 68 | 16 | 6 $\times$             | 8003  | (194) | 92   | 17 $10\frac{1}{4} \times$ | 50316 |
| (163) | 5  | 17 | $7\frac{3}{4} \times$  | 729   | (195) | 999  | 9 $10\frac{3}{4} \times$  | 2116  |
| (164) | 7  | 19 | $5\frac{1}{2} \times$  | 8203  | (196) | 76   | 8 7 $\times$              | 82037 |
| (165) | 19 | 15 | $4\frac{1}{2} \times$  | 7156  | (197) | 294  | 7 $8\frac{3}{4} \times$   | 9500  |
| (166) | 8  | 19 | $3\frac{1}{4} \times$  | 4031  | (198) | 3031 | 5 $4\frac{1}{2} \times$   | 4005  |
| (167) | 13 | 11 | $4\frac{1}{4} \times$  | 7967  | (199) | 869  | 1 8 $\times$              | 30608 |
| (168) | 23 | 12 | $4\frac{3}{4} \times$  | 8380  | (200) | 7215 | 19 $11\frac{3}{4} \times$ | 99987 |

(201) Multiply 2000 crowns by 15, and reduce the result to account money.

(202) Find the cost of a lb. of tea at  $3\frac{1}{2}d.$  per ounce.

(203) What is the cost of 14 books at three half-crowns each ?

- (204) Find the value of 13 lbs. of silver at £3. 1. 3 per lb.
- (205) What is the wages of 17 men for a week if each man earns £2. 13. 6½?
- (206) What is the cost of 5 tons of hay at £4. 13. 4 per ton?
- (207) What is the wages of a labourer for 72 hours at 8¼*d.* an hour?
- (208) If a man spends daily 2*s.* 6¼*d.*, what would he spend in a year (365 days)?
- (209) Find the total cost of 13 cwt. of sugar at £1. 17. 8½ per cwt. and 11 chests of tea each 96 lbs. at 4*s.* per lb.
- (210) What is the cost of 13 parcels of flannel, each 36 yards, at 1*s.* 9½*d.* per yard?
- (211) What is the entire cost of 11 lbs. beef at 10½*d.* per lb., 2 legs of mutton each 9½ lbs. at 11*d.* per lb., and 13½ lbs. veal at 9*d.*?
- (212) Bought 29 gallons of whiskey at 28*s.* 6*d.* per gallon, 10 ditto at 25*s.* per gallon, and 13 gallons rum at 24*s.* 9*d.* What was the total cost?
- (213) Bought 15 sheep at £3 15. 8 each: what did they cost?
- (214) Find the cost of a Salver of silver weighing 13 oz. at 5*s.* 10¾*d.* an ounce, £2. 12. 0 being also paid for its manufacture.
- (215) What should be paid for 43 cwt. of cheese at £1. 12. 7½ per cwt.?
- (216) Bought 13 tons of coal at £1. 3. 6 per ton and 5 tons at £1. 1. 6 per ton. What was the total cost?
- (217) Bought 31 cwt. of tobacco at £23. 6. 8 per cwt. and sold the whole for £800. What did I gain?
- (218) Multiply the sum of 50 shillings, 50 pence and 50 farthings by 15.
- (219) A certain mill requires on the average 17 tons of coal per working day. What would be the cost of the supply for 15 weeks at 11*s.* 6*d.* per ton?
- (220) Find the cost of 71 tons of turnips at £2. 15. 8 per ton.

- (221) What is the rent of 119 acres of land at £5. 15. 6 per acre ?
- (222) Bought 131 gross of pens at 2s. 6d. a gross and sold them for 18 guineas. What was my gain ?
- (223) How much greater is the amount of £1. 1.  $9\frac{1}{2} \times 17$  than £2. 4.  $7\frac{1}{4} \times 7$  ?
- (224) Find in account money the value of 969 farthings multiplied by 73.
- (225) What cost 11 tons of iron railings at £11. 15. 0 per ton ?
- (226) Find the whole cost of 11 lbs. butter at 1s.  $5\frac{1}{2}d.$ ,  $3\frac{1}{2}$  lbs. tea at 3s. 4d., 13 lbs. cheese at  $8\frac{1}{2}d.$ ,  $2\frac{1}{2}$  lbs. coffee at 1s. 8d., and 5 bars, each 3 lbs., soap at 4d. per lb.
- (227) A person spends £1. 2. 10 per week, pays 5s. 6d. per week rent, and saves £24. 10. 0 a year. What is his annual income, there being 52 weeks in a year ?
- (228) Find the equivalent in English money of 15000 rupees, each worth 1s.  $11\frac{1}{2}d.$
- (229) Find the cost of 301 tons of merchandize at £4. 19. 4 per ton.
- (230) What is the total cost of  $11\frac{1}{4}$  lbs. nails at 8d., 15 lbs. No. 5 shot at 5d. per lb., 8 packets of screws at 1s. 6d. per packet, and 9 lbs. cut nails at 6d. ?
- (231) Find the cost of  $15\frac{1}{2}$  tons of sea-biscuit at 4s. 6d. a stone, there being 160 stones in a ton.
- (232) What amount of money will be required to purchase 19 tons of hay at £3. 16. 0 per ton, and 31 tons of straw at £2. 15. 0 per ton ?
- (233) By how much does 7 times £13. 10. 10 exceed 15 times  $5\frac{1}{2}$  guineas ?
- (234) From 11s.  $6\frac{1}{2}d.$  take 5s.  $9\frac{3}{4}d.$  and multiply the remainder by 32 times 7
- (235) A tradesman deducts 8d. on every £1 for prompt payment. What should he deduct on a bill of £30. 10. 0 ?
- (236) A farmer gets 27 bushels of wheat per acre from 143 acres which he sells at 6s. 9d. per bushel. What does it produce ?

(237) How many times is seven times  $10\frac{1}{2}d.$  contained in 17 times  $3\frac{1}{2}$  guineas?

(238) What is the total cost of 13 doz. Sherry at 30s. a doz., 7 doz. Port at 49s. 6d., 18 doz. Claret at 21s., and 20 doz. Champagne at £3. 12. 0?

(239) Find the cost of 11 casks of alum, each  $3\frac{1}{2}$  cwt., at £1. 7. 9 per cwt.

(240) The weight of an eighteenpenny packet of note paper is half a pound: find the price per ton.

(241) Find the whole cost of 13 dozen  $2\frac{1}{2}$  inch flower pots at 5d. per doz., 18 doz. 3 in. ditto at  $7\frac{1}{2}d.$ , 23 doz. ditto at  $9\frac{3}{4}d.$ , 15 lbs. wall nails at  $4\frac{1}{2}d.$  per lb., 3 gross shreds at  $2\frac{1}{2}d.$  a dozen, and 1 pr. shears at 7s. 6d.

(242) By how much does the cost of 14 bullocks at 23 guineas each exceed the price of  $5\frac{1}{2}$  score sheep at 55s. each?

(243) How much cash in addition to 35 bushels of barley at 5s. 3d. per bushel must be given for 42 bushels of wheat at 6s. 9d. a bushel?

(244) Find the whole cost of 13 stones seed potatoes at 2s. 6d. a stone,  $8\frac{1}{2}$  pints broad beans at 4d.,  $2\frac{1}{2}$  quarts peas at 6d., 5 oz. onion seed at 8d., and  $8\frac{1}{2}$  score plants at  $2\frac{1}{2}d.$  per score.

(245) What is the whole cost of 18 gallons of ale at 1s. a gallon, 18 ditto at 1s. 2d., 18 ditto at 1s. 4d., and 18 ditto at 1s. 8d. per gallon?

(246) How much would be gained by buying 36 gallons of ale for 48 shillings and retailing it at three half-pence a glass, there being three glasses to a pint?

(247) Find the cost of keeping seven horses for a month if each consumes in that period  $2\frac{1}{2}$  bushels of oats at 4s. 9d. per bushel.

(248) Find the cost of 18 hams, each  $14\frac{1}{2}$  lbs., at  $8\frac{1}{2}d.$  per lb.

(249) If a merchant buys 31 cwt. of jute at £2. 11. 0 per cwt. and exchanges it for  $11\frac{1}{4}$  tons of soda at four guineas per ton, what cash payment will he require in addition?

(250) What amount will pay the wages of 48 workmen at the rate of  $8\frac{1}{2}d.$  an hour if half of them work 56 hours a week and the remainder 47 hours?

(251) A soldier receives 1s. 3*d.* per day pay and two pence per day good conduct money; if he pays 10*d.* a day mess money, what does he save in a year?

(252) A person is in the habit of taking  $1\frac{1}{2}$  pints of ale daily at a cost of 3*d.* per pint, and seven glasses of spirits weekly at a cost of 4*d.* a glass. What is the total cost for a year?

(253) What sum will a rate of 7*d.* in the £ produce on £296. 10. 0?

(254) Three friends take rooms at an hotel for the months of July and August at the rate of £1. 15. 0 per day for each person. What did they pay?

(255) Find the cost of 5 rolls, each 87 yards, of calico at  $6\frac{1}{2}$ *d.* per yard.

(256) Find the whole cost of 15 chests of tea, each 96 lbs., at 2s. 3*d.* per lb., and ten chests, each 56 lbs., at 3s. 4*d.* a lb.

(257) The thirtieth part of the cargo of a vessel was worth £471. 12. 8. What was the value of the whole cargo?

(258) Find the amount of 3 years wages at £1. 5. 6 a week.

(259) *A* has 8s.  $9\frac{1}{2}$ *d.*, *B* has 3s. 6*d.* more than twice as much as *A*, and *C* has 5s. 8*d.* less than three times as much as *B*. What sum do they possess altogether?

(260) What sum would be paid for reaping 114 acres, half at 27s. and half at 23s. an acre?

(261) What is the cost of carriage of 23 cwt. of goods for ten miles at 1s.  $1\frac{1}{2}$ *d.* per cwt.?

(262) What is the cost of 9 trucks of coal, each  $9\frac{1}{2}$  tons, at 15s. 6*d.* per ton?

(263) In a manufactory where 700 workmen are employed, 150 earn £1. 18. 0 each per week, 450 earn 33 shillings, and the rest £2. 2. 0 per week each. What sum will be sufficient to pay them a week's wages?

(264) What sum of money must be divided amongst 63 persons so that each may receive five half-crowns and 5 half-pence?

(265) Find the cost of an acre of land (4840 sq. yards) at  $7\frac{1}{4}$ *d.* per square yard.

(266) What does a person gain by letting each of seven houses for 43 guineas, if he reckons interest on outlay to be £169, repairs £2. 1. 4, and rates paid during the year £24. 12. 0?

(267) If sugar be raised  $\frac{3}{4}d.$  per lb., what is the difference in price on a hundredweight (112 lbs.)?

(268) On a rateable value of £7704, what would a rate of  $7d.$  in the £ produce?

(269) Find the total cost of  $3\frac{1}{2}$  dozen and  $4\frac{1}{4}$  score at  $5s. 6\frac{1}{2}d.$  each.

(270) What is the cost of  $7\frac{1}{2}$  dozen oranges at two for  $1\frac{1}{2}d.$ ?

(271) Find the cost of 113 tons of nitrate of soda at £10. 9. 10 per ton.

(272) What amount of money divided amongst 19 persons will give £3. 2. 6 each?

(273) Find the whole cost of  $5\frac{1}{2}$  tons of hay at £4. 14. 0, 10 tons of straw at £2. 15. 6, and 12 bushels of oats at  $5s. 10d.$  per bushel.

(274) Find the cost of 3103 cubic feet of timber at  $1s. 3\frac{1}{4}d.$  per cubic foot.

(275) A person pays  $6d.$  a week for  $17\frac{1}{2}$  years as subscription to a provident club; he receives  $17s.$  a week during 11 weeks he is ill, and at his death the club pays £10 to his friends. By how much has the club benefited?

(276) From £10 take £9. 11.  $10\frac{1}{4}$  and multiply the remainder by 36.

(277) If *A* earns £2. 10. 0 per week, and *B* £120 a year, how much will *A* earn more than *B* in  $12\frac{1}{2}$  years?

(278) Find the cost of  $11\frac{1}{2}$  hundredweights (each 112 lbs.) of honey at  $11\frac{1}{2}d.$  per lb.

(279) Sold goods at  $1s. 7\frac{1}{2}d.$  per lb. which I bought at 7 guineas per hundredweight. How much did I lose or gain on a hundredweight?

(280) Find the sum of £1. 7. 9 + £2. 6. 8 and £10. 12. 11, and multiply the result by 40.

(281) Find the cost of 23 yards of muslin, half the quantity being at  $9\frac{1}{2}d.$  per yard, and the remainder at  $1s. 7\frac{1}{2}d.$  per yard.

(282) What will be the cost of laying a floor, 193 square feet in extent, with wood at  $3\frac{1}{2}d.$  per square foot?

(283) If a shilling in the £ is deducted for cash, how much money would pay for 5 articles each marked seven guineas?

(284) If the cost of  $13\frac{1}{2}$  yards of cloth is £6. 9.  $1\frac{1}{2}$ , how much would seven times the quantity cost?

(285) A sum of £4. 14.  $3\frac{1}{2}$  is paid to each of eleven persons: what sum remains of 93 guineas?

(286) What sum must be divided amongst 29 persons so that each may receive  $8s. 9d.$ ?

(287) Paid for an article by 19 equal instalments of £2. 1.  $4\frac{1}{2}$  each. What did I give for it?

(288) Find the whole cost of  $3\frac{1}{2}$  doz. Reading books at  $7\frac{1}{2}d.$  each, 4 doz. ditto at  $9d.$  each,  $2\frac{1}{2}$  gross Copy books at  $1s. 10d.$  per doz., and 2 gallons ink at  $3s. 6d.$

(289) Find the entire cost of 3 legs of mutton, each  $9\frac{1}{2}$  lbs., at  $8d.$ , 23 lbs. beef at  $10\frac{1}{2}d.$ , and a ham weighing 17 lbs. at  $7\frac{1}{2}d.$

(290) By an expenditure of £1. 19.  $9\frac{1}{2}$  a week a person lays by £203. 12. 6 a year. What is his annual income?

(291) How many times must the sum of £11. 2. 8 + 31 guineas + 31 sixpences be added to 3050 half-guineas to produce £2045. 16. 8?

(292) What sum of money will be paid in a year by an average of 3075 passengers daily crossing a ferry at the rate of  $1\frac{1}{2}d.$  each?

(293) Find the cost of laying a line of rails three-quarters of a mile long at £2. 9. 4 per yard, there being 1760 yards in a mile.

(294) If A had £9. 10. 0 more he would have 5 times as much as B, instead of 4 times as much as at present. What has each?

(295) A shipowner buys 2000 bags of rice at  $5s. 9d.$  per bag, and sells it in England at  $17s. 3d.$  per bag. He pays 250 guineas for wages and provisions, £27. 15. 0 for coals, and £15. 13. 6 other expenses. What was his net gain?

(296) Bought 11 yards of linen at 2s. 3d., 9 yds. at 2s. 6d., and 10 yards at 3s. 3d. per yd. For what should the whole be sold so as to gain 10s. 9d.?

(297) Find the total cost of 19 trees, each containing on the average 173 cubic feet of wood, at 11 $\frac{3}{4}$ d. per cubic foot.

(298) If 1 $\frac{1}{2}$  pints of Colza oil at 1s. 6d. per quart, or 125 cub. ft. of gas at 4s. 6d. per thousand feet, suffice to light a household for a week, how much would be saved in a year by using gas?

(299) From the sum of £20. 10. 11 + £19 16. 8 + £10. 10. 0 + £2. 18. 6 take 50 guineas and multiply the remainder by 83.

(300) A mail steamer brought £35000 sterling in gold, 1449 ounces of gold at £3. 17. 10 $\frac{1}{2}$  per ounce, and 889 bars of silver, each 5 $\frac{1}{2}$  ounces, at 5s. 10d. per ounce; she also brought 1998 cwts. of goods, for which 13s. 6d. per cwt. was obtained, and a general cargo worth £10196. 15. 6. What was the value of the entire cargo?

## COMPOUND DIVISION.

|      | <i>£.</i> | <i>s.</i> | <i>d.</i> |     | <i>£.</i> | <i>s.</i> | <i>d.</i> |        |
|------|-----------|-----------|-----------|-----|-----------|-----------|-----------|--------|
| (1)  | 5         | 10        | 6         | ÷ 2 | (31)      | 200       | 10        | 6 ÷ 8  |
| (2)  | 4         | 7         | 9         | ÷ 3 | (32)      | 156       | 11        | 5 ÷ 9  |
| (3)  | 8         | 6         | 10        | ÷ 4 | (33)      | 300       | 12        | 6½ ÷ 2 |
| (4)  | 7         | 16        | 3         | ÷ 5 | (34)      | 117       | 13        | 6½ ÷ 3 |
| (5)  | 7         | 18        | 6         | ÷ 6 | (35)      | 159       | 11        | 8½ ÷ 4 |
| (6)  | 14        | 14        | 7         | ÷ 7 | (36)      | 75        | 17        | 9¾ ÷ 5 |
| (7)  | 32        | 16        | 8         | ÷ 8 | (37)      | 168       | 16        | 7½ ÷ 6 |
| (8)  | 63        | 2         | 3         | ÷ 9 | (38)      | 392       | 14        | 8¾ ÷ 7 |
| (9)  | 20        | 10        | 9         | ÷ 2 | (39)      | 111       | 10        | 11 ÷ 8 |
| (10) | 17        | 11        | 6         | ÷ 3 | (40)      | 209       | 15        | 8¼ ÷ 9 |
| (11) | 18        | 19        | 5         | ÷ 4 | (41)      | 763       | 19        | 5 ÷ 2  |
| (12) | 15        | 11        | 4         | ÷ 5 | (42)      | 507       | 14        | 6 ÷ 3  |
| (13) | 29        | 16        | 8         | ÷ 6 | (43)      | 1092      | 13        | 6 ÷ 4  |
| (14) | 31        | 14        | 7         | ÷ 7 | (44)      | 886       | 17        | 9¾ ÷ 5 |
| (15) | 69        | 14        | 9         | ÷ 8 | (45)      | 5021      | 19        | 6 ÷ 6  |
| (16) | 11        | 17        | 6         | ÷ 9 | (46)      | 7036      | 15        | 9 ÷ 7  |
| (17) | 29        | 13        | 7½        | ÷ 2 | (47)      | 1598      | 17        | 7 ÷ 8  |
| (18) | 19        | 16        | 8½        | ÷ 3 | (48)      | 9026      | 13        | 8 ÷ 9  |
| (19) | 20        | 2         | 4½        | ÷ 4 | (49)      | 40210     | 16        | 8½ ÷ 2 |
| (20) | 17        | 10        | 11        | ÷ 5 | (50)      | 7321      | 15        | 5¼ ÷ 3 |
| (21) | 38        | 16        | 10        | ÷ 6 | (51)      | 90106     | 12        | 6 ÷ 4  |
| (22) | 137       | 16        | 4         | ÷ 7 | (52)      | 82105     | 13        | 8 ÷ 5  |
| (23) | 210       | 11        | 6         | ÷ 8 | (53)      | 7563      | 17        | 6 ÷ 6  |
| (24) | 58        | 19        | 4         | ÷ 9 | (54)      | 9638      | 14        | 7¼ ÷ 7 |
| (25) | 272       | 17        | 6½        | ÷ 2 | (55)      | 5003      | 13        | 2 ÷ 8  |
| (26) | 139       | 12        | 11        | ÷ 3 | (56)      | 7321      | 19        | 9 ÷ 9  |
| (27) | 501       | 17        | 6         | ÷ 4 | (57)      | 90311     | 13        | 7 ÷ 2  |
| (28) | 199       | 12        | 7         | ÷ 5 | (58)      | 87209     | 19        | 6 ÷ 3  |
| (29) | 310       | 19        | 8         | ÷ 6 | (59)      | 9304      | 14        | 4 ÷ 4  |
| (30) | 119       | 13        | 4         | ÷ 7 | (60)      | 58603     | 17        | 9¾ ÷ 5 |

|      | £.    | s. | d.       |       | £.     | s. | d.        |
|------|-------|----|----------|-------|--------|----|-----------|
| (61) | 96003 | 16 | 6 ÷ 6    | (99)  | 114    | 4  | 0 ÷ 64    |
| (62) | 58013 | 17 | 9 ÷ 7    | (100) | 441    | 6  | 1½ ÷ 66   |
| (63) | 8969  | 15 | 8 ÷ 8    | (101) | 21073  | 14 | 4½ ÷ 70   |
| (64) | 90316 | 17 | 9¾ ÷ 9   | (102) | 13793  | 5  | 0 ÷ 72    |
| (65) | 296   | 13 | 9 ÷ 10   | (103) | 53700  | 3  | 1½ ÷ 75   |
| (66) | 186   | 14 | 5 ÷ 11   | (104) | 3063   | 14 | 4¼ ÷ 77   |
| (67) | 909   | 17 | 3 ÷ 12   | (105) | 8008   | 8  | 4 ÷ 80    |
| (68) | 1000  | 13 | 4 ÷ 10   | (106) | 5915   | 0  | 6 ÷ 81    |
| (69) | 762   | 18 | 6 ÷ 11   | (107) | 1565   | 12 | 9 ÷ 84    |
| (70) | 902   | 13 | 5 ÷ 12   | (108) | 92     | 2  | 6 ÷ 88    |
| (71) | 210   | 13 | 7 ÷ 14   | (109) | 18837  | 5  | 7½ ÷ 90   |
| (72) | 147   | 11 | 6¾ ÷ 15  | (110) | 712    | 9  | 4 ÷ 96    |
| (73) | 139   | 13 | 8 ÷ 16   | (111) | 348    | 15 | 4½ ÷ 99   |
| (74) | 503   | 7  | 3 ÷ 18   | (112) | 199    | 17 | 11 ÷ 100  |
| (75) | 212   | 18 | 4 ÷ 20   | (113) | 8174   | 7  | 2¼ ÷ 105  |
| (76) | 205   | 17 | 3¾ ÷ 21  | (114) | 602    | 13 | 3 ÷ 108   |
| (77) | 255   | 2  | 7½ ÷ 22  | (115) | 21     | 15 | 3½ ÷ 110  |
| (78) | 2400  | 10 | 6 ÷ 24   | (116) | 154    | 4  | 8 ÷ 112   |
| (79) | 99    | 19 | 5¾ ÷ 25  | (117) | 1084   | 15 | 0 ÷ 120   |
| (80) | 326   | 1  | 7½ ÷ 27  | (118) | 326    | 0  | 4¾ ÷ 121  |
| (81) | 69    | 14 | 9 ÷ 28   | (119) | 1407   | 0  | 7½ ÷ 125  |
| (82) | 233   | 16 | 3 ÷ 30   | (120) | 967    | 8  | 10½ ÷ 126 |
| (83) | 191   | 19 | 4 ÷ 32   | (121) | 2204   | 0  | 0 ÷ 128   |
| (84) | 3822  | 10 | 8¼ ÷ 33  | (122) | 556    | 12 | 0 ÷ 132   |
| (85) | 3251  | 8  | 6½ ÷ 35  | (123) | 13714  | 11 | 10½ ÷ 135 |
| (86) | 140   | 3  | 6 ÷ 36   | (124) | 10     | 1  | 3 ÷ 140   |
| (87) | 3868  | 15 | 0 ÷ 40   | (125) | 2853   | 15 | 0 ÷ 144   |
| (88) | 494   | 1  | 4½ ÷ 42  | (126) | 2052   | 16 | 3 ÷ 150   |
| (89) | 3991  | 19 | 10 ÷ 44  | (127) | 3060   | 1  | 3 ÷ 165   |
| (90) | 5887  | 9  | 0¾ ÷ 45  | (128) | 1720   | 6  | 3 ÷ 225   |
| (91) | 955   | 13 | 0 ÷ 48   | (129) | 2058   | 0  | 0 ÷ 252   |
| (92) | 3463  | 2  | 6¼ ÷ 49  | (130) | 146013 | 18 | 0 ÷ 288   |
| (93) | 5847  | 8  | 11½ ÷ 50 | (131) | 6086   | 8  | 0 ÷ 512   |
| (94) | 3987  | 0  | 0 ÷ 54   | (132) | 38760  | 15 | 8¾ ÷ 343  |
| (95) | 5502  | 2  | 4¾ ÷ 55  | (133) | 58157  | 9  | 10½ ÷ 729 |
| (96) | 646   | 0  | 10 ÷ 56  | (134) | 170458 | 4  | 0 ÷ 1728  |
| (97) | 1000  | 17 | 6 ÷ 60   | (135) | 7021   | 0  | 9½ ÷ 41   |
| (98) | 62    | 13 | 5¼ ÷ 63  | (136) | „      | „  | „ ÷ 23    |

|       | £.    | s. | d.                  |      | £.    | s.      | d.                          |
|-------|-------|----|---------------------|------|-------|---------|-----------------------------|
| (137) | 7021  | 0  | $9\frac{1}{2} \div$ | 83   | (169) | 72158   | 2 6 $\div$ 7132             |
| (138) | "     | "  | " $\div$            | 89   | (170) | 9106    | 13 $7\frac{1}{2} \div$ 8246 |
| (139) | "     | "  | " $\div$            | 71   | (171) | "       | " " $\div$ 144              |
| (140) | 9680  | 13 | 11 $\div$           | 177  | (172) | "       | " " $\div$ 321              |
| (141) | "     | "  | " $\div$            | 117  | (173) | "       | " " $\div$ 9047             |
| (142) | "     | "  | " $\div$            | 59   | (174) | "       | " " $\div$ 596              |
| (143) | "     | "  | " $\div$            | 341  | (175) | 110217  | 16 $6\frac{1}{2} \div$ 4032 |
| (144) | "     | "  | " $\div$            | 573  | (176) | "       | " " $\div$ 3126             |
| (145) | 7238  | 16 | $8\frac{1}{2} \div$ | 895  | (177) | "       | " " $\div$ 4025             |
| (146) | "     | "  | " $\div$            | 623  | (178) | "       | " " $\div$ 7159             |
| (147) | "     | "  | " $\div$            | 306  | (179) | "       | " " $\div$ 66380            |
| (148) | "     | "  | " $\div$            | 417  | (180) | 302147  | 13 $8\frac{1}{4} \div$ 79   |
| (149) | "     | "  | " $\div$            | 999  | (181) | "       | " " $\div$ 821              |
| (150) | 15702 | 18 | 6 $\div$            | 909  | (182) | "       | " " $\div$ 9049             |
| (151) | "     | "  | " $\div$            | 796  | (183) | "       | " " $\div$ 9999             |
| (152) | "     | "  | " $\div$            | 318  | (184) | "       | " " $\div$ 8989             |
| (153) | "     | "  | " $\div$            | 441  | (185) | 203116  | 13 $6\frac{1}{4} \div$ 7915 |
| (154) | "     | "  | " $\div$            | 836  | (186) | "       | " " $\div$ 476              |
| (155) | 3021  | 15 | $5\frac{1}{2} \div$ | 987  | (187) | "       | " " $\div$ 395              |
| (156) | "     | "  | " $\div$            | 789  | (188) | "       | " " $\div$ 846              |
| (157) | "     | "  | " $\div$            | 897  | (189) | "       | " " $\div$ 1071             |
| (158) | "     | "  | " $\div$            | 513  | (190) | 2031    | 14 $4\frac{1}{2} \div$ 596  |
| (159) | "     | "  | " $\div$            | 325  | (191) | "       | " " $\div$ 318              |
| (160) | 3806  | 19 | 10 $\div$           | 119  | (192) | "       | " " $\div$ 15587            |
| (161) | "     | "  | " $\div$            | 726  | (193) | "       | " " $\div$ 5093             |
| (162) | "     | "  | " $\div$            | 444  | (194) | "       | " " $\div$ 7215             |
| (163) | "     | "  | " $\div$            | 663  | (195) | 169013  | 7 $7\frac{1}{2} \div$ 1311  |
| (164) | "     | "  | " $\div$            | 1909 | (196) | "       | " " $\div$ 70213            |
| (165) | 72158 | 2  | 6 $\div$            | 1178 | (197) | "       | " " $\div$ 15968            |
| (166) | "     | "  | " $\div$            | 223  | (198) | "       | " " $\div$ 24680            |
| (167) | "     | "  | " $\div$            | 706  | (199) | "       | " " $\div$ 13998            |
| (168) | "     | "  | " $\div$            | 5093 | (200) | 1900009 | 0 9 $\div$ 92196            |

(201) How many times is the difference of 5s.  $6\frac{1}{2}d.$  and ten shillings contained in £2. 13. 6?

(202) Find the value of the tenth part of £11. 18. 4.

(203) What is the 17th part of £102. 4. 3?

(204) From the seventh part of £29. 1. 7 take the fourth part of £17. 3. 0 less £2. 1. 6½.

(205) The rent of a house is £13. 4. 4 a year: what is the rent per week?

(206) Divide the half of £20. 10. 7½ by 9.

(207) What weekly salary is equal to 120 guineas a year?

(208) How many lbs. of sugar at 5½*d.* may be bought for £2. 9. 6?

(209) Divide £312. 16. 3 equally amongst 84 persons.

(210) A person having £220 a year saves 50 guineas annually: what sum does he spend weekly?

(211) The rate on £150 is £2. 3. 9: how much is that in the £?

(212) Find the sum of 30 guineas, £30, 30 half-guineas, 30 crowns, and 30 florins, and divide the result by 25.

(213) Find the value of £20 - 120 farthings ÷ 15.

(214) What weight of gold is there in a nugget worth £66. 3. 10½ at £3. 17. 10½ per ounce Troy?

(215) An hotel bill for the month of May amounted to £45. 1. 7: what was the charge per day?

(216) Divide 2*s.* 6*d.* between two boys, giving one 3½*d.* more than the other.

(217) How many pairs of gloves at 3*s.* 6*d.* may be bought for 3½ guineas?

(218) Find the price of calico per yard when 3 rolls, each 84 yards, cost £6. 16. 6.

(219) Eight miners working in a gang hew 150 tons of coal in a week, for which they receive 4*s.* 6*d.* per ton. What was each man's share?

(220) To the thirtieth part of £11. 12. 6 add the twelfth part of 17*s.* 6*d.*

(221) Divide the third part of £9. 19. 6 by 24.

(222) A sailor receives £175. 4. 0 as payment of wages for 3 years and 73 days during which the ship has been in commission. What are his daily wages?

(223) Divide £5. 5. 0 into two parts so that one shall be three half-crowns more than the other.

(224) Nine men agree to reap 142 acres, for which they are to receive 17s. 6d. an acre. What is each man's share?

(225) By how much does the twenty-fifth part of £119. 16. 0½ exceed the third part of £10. 10. 9?

(226) Divide £20. 10. 0 among 4 men and 3 women, giving a man three times as much as a woman.

(227) How many times is £11. 19. 7½ contained in £227. 12. 10½?

(228) Find the cost of 150 bushels of malt at 7s. 8¼d. per seven bushels.

(229) Find the sixth part of the cost of 19½ tons of coal at £1. 10. 0 per ton, if a shilling in the £ be allowed for prompt payment.

(230) How much should a person lay by weekly to pay £8. 9. 0 rent yearly?

(231) How many instalments of 2s. 9d. each will pay a sum of £8. 5. 0?

(232) A sum of thirteen hundred guineas is sufficient to pay 700 workmen. What is the average amount of wages earned by each?

(233) Find the value of £103. 11. 6 ÷ 37.

(234) Four men earn respectively £1. 14. 6, £1. 3. 9, £1. 5. 0, and 1½ guineas: what is the average rate of wages?

(235) What is the cost of tobacco per lb. when a hundredweight (112 lbs.) costs £23. 11. 4?

(236) A row of 16 houses cost £1103. 12. 6: at what weekly rent per house must they be let so as to secure a return of £65 yearly?

(237) What is the cost of lime per hundredweight when 2½ tons (each 20 hundredweights) cost £10. 14. 7?

(238) How many roubles, each worth 2s.  $7\frac{1}{2}d.$ , may be exchanged for thirty-one thousand five hundred pounds sterling?

(239) If 25 francs are equivalent to £1 sterling, how many £s may be obtained for  $1\frac{1}{4}$  millions of francs?

(240) How many times is 13 times 17s.  $9\frac{1}{2}d.$  contained in £2775. 10. 0?

(241) How many lbs. of tobacco at 4s.  $2d.$  per lb. can be got in exchange for 25 lbs. of tea at 3s.  $4d.$ ?

(242) How many pairs of gloves at 2s.  $9d.$  may be bought for £3. 8. 9?

(243) How many half-crowns, florins, pence and farthings, there being the same number of each, are contained in the sum of £5 and half a guinea?

(244) Divide £5. 11. 6 between *A* and *B*, giving *B* 7s.  $3d.$  more than twice as much as *A*.

(245) Find the value of £4. 10. 9 + £2. 12. 6 + £4. 17. 6 - £9. 19. 6, and divide the result by 18.

(246) From the twentieth part of £15. 10. 10 take the 30th part of £17. 10. 0.

(247) Divide £3017. 12.  $10\frac{1}{2}$  equally among 27 persons.

(248) Divide £54. 1.  $8\frac{1}{4}$  among 3 men, 4 women and 7 children, giving a man twice as much as a woman, and a woman twice as much as a child.

(249) A tea dealer mixes 55 lbs. of tea at 3s.  $4d.$  per lb. with 46 lbs. at 4s. per lb. At what price must the whole be sold per lb. so as to make a gain of £1. 16. 8?

(250) How many lbs. of coffee at 1s.  $8d.$  may be exchanged for  $11\frac{1}{2}$  lbs. of tea at 3s.  $4d.$  per lb.?

(251) A person loses two guineas by selling 148 lbs. of tea at 3s.  $2d.$  per lb. : at what rate per lb. should it be sold so as to gain £4. 16. 9 on what it cost?

(252) If brandy at 48s. a gallon be mixed with another kind at 27s., there being eight gallons of each in the mixture and two gallons of water, at what price per gallon must the mixture be sold so as to gain £3. 6. 0 on the whole cost?

(253) Divide the half of  $12\frac{1}{4}$  guineas by 9.

(254) The duty on whiskey at 10s. 5d. per gallon amounted to £375: on how many gallons was it paid?

(255) Divide 20 guineas among *A*, *B*, and *C*, giving *A* 5s. more than the joint shares of *B* and *C*.

(256) The rateable value of a parish is £3050: at how much in the £ should a rate be made so as to produce £63. 10. 10?

(257) A Railway Company has 10965 officials, and pays yearly £598689 in salaries. What is the average weekly wages of each?

(258) How many oranges should I have if I purchased a shilling's worth at the rate of 3 for 2d. and a shilling's worth at 2 for three halfpence?

(259) How many times is £1. 11. 6½ contained in £760. 3. 1?

(260) Divide £5 among *A*, *B*, and *C*, giving *A* half as much as *B*, and *C* as much as *A* and *B* together.

(261) Find the value of soap per lb. which cost £1. 9. 2 for 5 stones, each 14 lbs.

(262) What amount of money is 5 times the difference of £10. 11. 9¾ and 9000 farthings?

(263) How many yards of linen at 2s. 4d. per yard may be bought for 12 guineas?

(264) Divide the seventieth part of £221. 7. 6 by 6.

(265) What amount of money multiplied by 73 will give £149. 19. 1?

(266) The carriage of 34 tons for 46 miles is £34. 10. 0: what is that per mile?

(267) A stockbroker on selling 109 shares in a gas company realised a total of £10968. 2. 6. What was the average price per share?

(268) A farmer bought 115 sheep for £235. 15. 0, and 303 for £636. 6. 0. What was the average price per sheep?

(269) How many payments of £1. 19. 7½ each will pay a debt of £59. 8. 9?

(270) At 13½ half-crowns for 81, find the cost of 1.

(271) A earns 120 guineas a year, B £105. 4. 0. How much does A earn more than B each week?

(272) A person buys goods at 11s. 6d. per cwt.: at what price should he retail them per lb. so as to gain £2. 10. 0 on every ton, there being 20 hundredweights in a ton?

(273) If a first class boy in the Royal Navy is paid £10. 12. 11 a year, what is that per day?

(274) At three half-crowns a dozen, how many plants may be bought for £2. 12. 6?

(275) Four workmen are paid £18. 17. 6 for 3 weeks wages: what amount is that each per week?

(276) When wheat is selling at 56s. per quarter, what is the price per peck, there being 32 pecks in a quarter?

(277) How many penny, twopenny, threepenny, sixpenny, and shilling postage stamps, there being an equal number of each, may be bought for £5?

(278) If £78. 15. 0 will pay the wages of 5 men for 7 weeks, working 60 hours per week, what is the rate of pay per hour?

(279) By how much does three times the seventh part of 11¾ guineas exceed £2. 19. 11¾?

(280) How many passengers, half paying 3s. 6d., and the rest 4s. 6d., may be booked for £6. 16. 0?

(281) A ton and a half of goods is bought for £84 and sold for 100 guineas. What is the gain per lb., there being 2240 lbs. in a ton?

(282) How many pairs of boots at 7s. 3d. per pair may be bought for £47. 17. 0?

(283) If 103 acres be rented for £411. 14. 0, and produce per acre on the average 27 bushels of barley, which is sold at 5s. 10d. per bushel, what is the gross profit per acre?

(284) If 1004 people are maintained at a cost of £493. 12. 8, what is that per head?

(285) A sum of £7. 5. 0 is expended in the purchase of calico, some at  $6\frac{1}{2}d.$ , and an equal number of yards at 8d. per yard. How many yards were there of each?

(286) Find the value of 300 guineas + 300 florins + 304 pence divided by 56.

(287) If 130 lbs. of salt cost 8s.  $1\frac{1}{2}d.$ , at what price should it be retailed per lb. so as to gain 4s. 8d. on the hundredweight?

(288) What amount multiplied by 360 will give £901. 17. 6?

(289) Find the weekly wages of 19 men who collectively earn £3383. 18. 0 per annum.

(290) Divide £1. 4. 0 into two parts so that one shall be 2s. 3d. more than the other.

(291) The expense of paving a street  $131\frac{1}{4}$  yards long is £434. 15. 9, and is borne by 7 property owners equally. What is the share of each?

(292) A sum of £193. 11.  $2\frac{1}{2}$  is lent by *A* to *B*, of which *B* returns £123. 4. 7, and pays the rest by equal instalments of £7. 16.  $3\frac{1}{2}$  each. How many instalments are paid?

(293) How many rupees, each 2s. sterling, may be exchanged for four thousand five hundred francs, if there be 25 francs to the £1 sterling?

(294) Divide £7002. 2. 8 by 38.

(295) How many yards of cloth at 5s. 9d. should be given in exchange for 69 yards at 12s. 1d. per yard?

(296) How often may £4. 13. 6 be subtracted from £119. 18. 4, and what final remainder is there ?

(297) If the annual revenue be £79840990 and the expenditure exceeds it by £2007000, what is the daily expenditure ?

(298) The liabilities of a bankrupt are £2019 and his assets £440 : how much can he pay in the £.

(299) How many times is  $3\frac{1}{4}$  guineas contained in £242. 5. 9 ?

(300) A person worth £15000, left half his property to his relatives, half the remainder to charitable institutions, and the rest in legacies of £250 each. How many of these did he leave ?

## REDUCTION (WEIGHTS AND MEASURES).

- (1) Reduce 75 tons to cwts.
- (2) „ 159 tons 13 cwt. to cwts.
- (3) „ 11 tons 16 cwt. 3 qrs. to lbs.
- (4) „ 9 tons 13 cwt. 7 lbs. to lbs.
- (5) „ 8 cwt. 3 qrs. 17 lbs. to oz.
- (6) „ 9 tons 7 cwt. 3 qrs. 26 lbs. 15 oz. to drams.
- (7) „ 316 m. 3 fur. to furlongs.
- (8) „ 158 m. 2 fur. 5 poles to yards.
- (9) „ 1720 m. 3 fur. 16 p. 3 yds. to inches.
- (10) „ 110 poles 5 yds. 2 ft. 11 in. to inches.
- (11) „ 1961 m. 7 fur. 38 p. 3 yds. 2 ft. to feet.
- (12) „ 107 poles 3 yds.  $2\frac{1}{2}$  ft. to inches.
- (13) „ 13 yds. 2 ft. 5 in. to inches.
- (14) „ 29 m. 5 fur. 36 p. 4 yds. to feet.
- (15) „ 138 m. 4 fur. 18 poles 2 ft. 11 in. to inches.
- (16) „ 1009 m. 7 fur. 13 p. 5 yds. 2 ft. 3 in. to inches.
- (17) „ 90 m. 4 fur. 4 yds. to feet.
- (18) „ 6 fur. 39 p. 5 yds. to yards.
- (19) „ 10 m. 1 fur. 10 poles 1 yd. to feet.
- (20) „ 2566 m. 3 fur. 33 poles 11 in. to inches.
- (21) „ 399 poles 3 yds. to feet.
- (22) „  $1000\frac{1}{4}$  m. 115 yds. to feet.
- (23) „  $20\frac{3}{4}$  m. 21 feet to inches.
- (24) „ 213 tons 11 cwt. 3 qrs. 27 lbs. to lbs.
- (25) „ 19 tons 1 qr. 5 lbs. 7 oz. to ounces.
- (26) „ 113 cwt. 3 qrs. 2 lbs. 8 oz. to half-pounds.
- (27) „ 21 qrs. 17 lbs. 15 oz. to drams.
- (28) „ 119 cwts. 3 qrs. 11 lbs. 12 oz. to quarter-pounds.
- (29) „ 73 tons 17 cwt. 3 qrs. 27 lbs. 14 oz. to ounces.
- (30) „  $106\frac{1}{4}$  cwt. to lbs.

- (31) Reduce 313 ac. 2 r. to roods.  
 (32) „ 114 ac. 3 r. 13 poles to poles.  
 (33) „ 17 ac. 3 r. 13 p. 20 yards to yards.  
 (34) „ 106 ac. 1 r. 29 p. 13 yds. 7 ft. to feet.  
 (35) „ 1091 ac. 3 r. 36 p. to poles.  
 (36) „ 715 ac. 3 r. 21 p. 28 yds. 3 ft. 104 in. to inches.  
 (37) „ 13 ac. 0 r. 17 p. 7 ft. to inches.  
 (38) „ 109 ac. 2 r. 13 p. 6 ft. 113 in. to inches.  
 (39) „ 36 ac. 3 r. 24 p. 19 yards to feet.  
 (40) „ 11 poles 13 yds. 2 ft. 29 in. to inches.  
 (41) „ 3 roods 19 poles 29 yards to feet.  
 (42) „ 109 ac. 3 r. 37 p. 5 yds. to yards.  
 (43) „  $214\frac{1}{4}$  ac. to yards.  
 (44) „  $113\frac{3}{4}$  ac. 176 yds. to yards.  
 (45) „ 20 sq. yds. 3 ft. 6 in. to inches.  
 (46) „ 1094 sq. miles 324 ac. 2 r. to roods.  
 (47) „ 1 hour 23 min. to seconds.  
 (48) „  $2\frac{3}{4}$  hours to minutes.  
 (49) „ 12 days  $17\frac{3}{4}$  hours to minutes.  
 (50) „ 73 hours 58 min. 30 sec. to seconds.  
 (51) „ 19 days 17 hours  $37\frac{1}{2}$  m. to seconds.  
 (52) „ 50 years 113 days to days.  
 (53) „  $119\frac{1}{2}$  weeks to hours.  
 (54) „ 21 years 15 wks. 3 days to hours.  
 (55) „ 111 years 27 wks. 5 days to days.  
 (56) „ 33 wks.  $2\frac{1}{2}$  days to hours.  
 (57) „ 1 year 12 wks.  $3\frac{3}{4}$  dys. to half-hours.  
 (58) „ 49 years  $32\frac{1}{4}$  wks. to days.  
 (59) „ 36 yrs. 13 wks. 3 days 14 hrs. 12 min. to minutes.  
 (60) „ 10 yrs. 49 wks. 6 days 11 hrs. 30 sec. to half-minutes.  
 (61) „ 53 hours  $29\frac{3}{4}$  minutes to seconds.  
 (62) „ 19 weeks 6 days 23 hours 59 m. to minutes.  
 (63) „ 93 bushels 3 pecks to gallons.  
 (64) „ 103 bushels to pecks.  
 (65) „ 29 pecks 1 gallon 1 qt. to quarts.  
 (66) „ 136 bushels 2 qts. to pints.  
 (67) „ 21 loads 3 bus. 2 pks. to pecks.  
 (68) „ 19 loads 2 bus. 3 pks. 1 gal. to gallons.  
 (69) „ 7 quarters 3 bus. to pecks.

- (70) Reduce 18 loads 3 qrs. 2 bus. to bushels.  
 (71) " 19½ loads to pecks.  
 (72) " 306¾ quarters to bushels.  
 (73) " 115¼ loads to gallons.  
 (74) " 29 lds. 3 qrs. 3 bus. 1 pk. to pecks.  
 (75) " 13 gallons 3 qts. 1 pt. to pints.  
 (76) " 20 loads 1½ bus. to pecks.  
 (77) " 17 quarters 3 bus. 1 pk. 1¾ gals. to pints.  
 (78) " 133 loads 4 qrs. 7 bus. 3½ pks. to gallons.  
 (79) " 15 cub. yds. to cub. ft.  
 (80) " 78 cub. ft. to cub. in.  
 (81) " 103 cub. yds. 3 cub. ft. to cub. in.  
 (82) " 209 cub. yds. 7 cub. ft. to cub. ft.  
 (83) " 111 cub. yds. 20 cub. ft. to cub. in.  
 (84) " 9 cub. yds. 17 cub. ft. 53 cub. in. to cub. in.  
 (85) " 103 cub. yds. 22 cub. ft. 198 cub. in. to cub. in.  
 (86) " 21 cub. yds. 26 cub. ft. 1013 cub. in. to cub. in.  
 (87) " 20½ cub. yds. to cub. in.  
 (88) " 110 cub. yds. 19¾ cub. ft. to cub. in.  
 (89) " 33¼ cub. yds. to cub. ft.  
 (90) " 112¾ cub. yds. to cub. in.  
 (91) " 37 yards to inches.  
 (92) " 18 yds. 2 qrs. to inches.  
 (93) " 13 yds. 3 qrs. 3 nails to nails.  
 (94) " 105 yds. 1 qr. 1 nail to inches.  
 (95) " 29 yds. 2 qrs. 2 nails 1 in. to inches.  
 (96) " 157 yds. 1 nail to inches.  
 (97) " 38 yds. 3 qrs. 0¼ inches to inches.  
 (98) " 2031 yds. 1 qr. 1 nl. 2 inches to inches.  
 (99) " 750 yds. 3 qrs. 1½ in. to inches.  
 (100) " 38 E. ells 2 qrs. to nails.  
 (101) " 104 E. ells 3 nails 1¼ in. to inches.  
 (102) " 73¾ yds. to nails.  
 (103) " 1057 qrs. 2 nails 1¼ in. to inches.  
 (104) " 190 nails to half-inches.  
 (105) " 27 lbs. Troy to ounces.  
 (106) " 316 lbs. Troy 11 oz. to ounces.  
 (107) " 93 lbs. Troy 8 oz. 13 dwts. to dwts.  
 (108) " 17 lbs. Troy 7 oz. 17 dwts. to grains.

- (109) Reduce  $73\frac{1}{2}$  lbs. Troy to grains.  
 (110) „ 113 lbs. Troy 6 oz. 17 grs. to grains.  
 (111) „ 76 lbs. Troy 10 oz. 13 dwts. to grains.  
 (112) „ 11 lbs. Troy 15 dwts. 3 grs. to grains.  
 (113) „  $107\frac{3}{4}$  lbs. Troy to dwts.  
 (114) „ 96 lbs. Troy 11 oz.  $0\frac{3}{4}$  dwts. to grains.  
 (115) „ 203 oz. Troy  $19\frac{1}{4}$  dwts. to grains.  
 (116) „ 71 oz. Troy 13 dwts. 11 grs. to grains.  
 (117) „ 36 lbs. Apoth. 10 oz. to ounces.  
 (118) „ 17 lbs. Apoth. 11 oz. 4 drs. to drams.  
 (119) „  $9\frac{3}{4}$  lbs. Apoth. to scruples.  
 (120) „ 7 lbs. Apoth. 7 oz. 7 drs. 1 sc. to grains.  
 (121) „ 103 lbs. Apoth. 5 oz. 2 sc. 18 grs. to grains.  
 (122) „ 11 lbs. Apoth. 11 oz.  $1\frac{1}{2}$  sc. to grains.  
 (123) „ 19 lbs. Apoth. 6 oz.  $4\frac{1}{2}$  drs. to grains.  
 (124) „  $1\frac{1}{2}$  lbs. Apoth.  $1\frac{1}{2}$  sc. to grains.  
 (125) „ 29 lbs. Apoth. 4 oz. 6 dr.  $0\frac{3}{4}$  sc. to grains.  
 (126) „ 3156 lbs. Apoth. 3 drs. 2 sc. 15 grs. to grains.  
 (127) „  $19\frac{3}{4}$  oz. Apoth. to scruples.  
 (128) „ 107 oz. 3 drs.  $2\frac{1}{2}$  sc. to grains.  
 (129) „ 21731 oz. Av. to cwts.  
 (130) „ 9698 drs. Av. to lbs.  
 (131) „ 907163 drs. to cwts.  
 (132) „ 59176 oz. to cwts.  
 (133) „ 3169 lbs. to cwts.  
 (134) „ 1769 lbs. to qrs.  
 (135) „ 30136 lbs. to tons.  
 (136) „ 1117968 oz. to tons.  
 (137) „ 7121061 drs. to tons.  
 (138) „ 9061317 oz. to tons.  
 (139) „ 37215 lbs. to tons.  
 (140) „ 9687 lbs. to cwts.  
 (141) „ 3816 qrs. to tons.  
 (142) „ 1496 stones to tons.  
 (143) „ 1316 oz. to stones.  
 (144) „ 699 half-cwts. to tons.  
 (145) „ 1000000 oz. to tons.  
 (146) „ 300002 drs. to lbs.  
 (147) „ 7906 in. to yds.

|       |        |                                 |
|-------|--------|---------------------------------|
| (148) | Reduce | 19603 feet to poles.            |
| (149) | „      | 7916 feet to miles.             |
| (150) | „      | 19000 inches to furlongs.       |
| (151) | „      | 7002 feet to miles.             |
| (152) | „      | 10000 inches to poles.          |
| (153) | „      | 29002 feet to miles.            |
| (154) | „      | 1000000 inches to miles.        |
| (155) | „      | 79061 yards to furlongs.        |
| (156) | „      | 3916 yards to miles.            |
| (157) | „      | 4041 feet to poles.             |
| (158) | „      | 3991 poles to miles.            |
| (159) | „      | 14716 feet to half-miles.       |
| (160) | „      | 30126 feet to furlongs.         |
| (161) | „      | 12317 half-inches to yards.     |
| (162) | „      | 1946 sq. in. to sq. ft.         |
| (163) | „      | 7091 sq. in. to sq. yds.        |
| (164) | „      | 123023 sq. in. to sq. poles.    |
| (165) | „      | 71960 sq. in. to sq. yds.       |
| (166) | „      | 21780 sq. ft. to roods.         |
| (167) | „      | 6272640 sq. in. to acres.       |
| (168) | „      | 10000000 sq. in. to acres.      |
| (169) | „      | 92016 sq. yds. to acres.        |
| (170) | „      | 7916 sq. yds. to acres.         |
| (171) | „      | 590617 sq. ft. to roods.        |
| (172) | „      | 12000000 sq. yds. to sq. miles. |
| (173) | „      | 391611 sq. yds. to acres.       |
| (174) | „      | 59172 sq. ft. to roods.         |
| (175) | „      | 107000 sq. in. to sq. poles.    |
| (176) | „      | 36210 sq. ft. to sq. poles.     |
| (177) | „      | 7919161 sq. ft. to acres.       |
| (178) | „      | 31216 seconds to hours.         |
| (179) | „      | 79003 hours to weeks.           |
| (180) | „      | 190316 sec. to days.            |
| (181) | „      | 9217 days to years.             |
| (182) | „      | 218210 sec. to hours.           |
| (183) | „      | 170113 hours to years.          |
| (184) | „      | 7158 sec. to hours.             |
| (185) | „      | 35169 min. to days.             |
| (186) | „      | 17005 sec. to hours.            |

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|-------|--------|----------------------------------|
| (187) | Reduce | 179002 hours to years.           |
| (188) | „      | 92106 hours to weeks.            |
| (189) | „      | 7021 weeks to years.             |
| (190) | „      | 1399096 min. to years.           |
| (191) | „      | 50715 hours to weeks.            |
| (192) | „      | 13906158 sec. to weeks.          |
| (193) | „      | 7921586 min. to years.           |
| (194) | „      | 921860 pints to gallons.         |
| (195) | „      | 37699 gallons to bushels.        |
| (196) | „      | 3016 bushels to loads.           |
| (197) | „      | 9218 pints to pecks.             |
| (198) | „      | 704 pecks to quarters.           |
| (199) | „      | 99816 gallons to bushels.        |
| (200) | „      | 159684 half-gallons to quarters. |
| (201) | „      | 137206 gallons to loads.         |
| (202) | „      | 5903 quarts to quarters.         |
| (203) | „      | 8726 pecks to loads.             |
| (204) | „      | 3876 bushels to loads.           |
| (205) | „      | 4414 pecks to quarters.          |
| (206) | „      | 3619 quarts to bushels.          |
| (207) | „      | 731 pecks to quarts.             |
| (208) | „      | 1895 half-gallons to pecks.      |
| (209) | „      | 3075 gallons to quarters.        |
| (210) | „      | 39163 cub. in. to cub. ft.       |
| (211) | „      | 40313 cub. ft. to cub. yds.      |
| (212) | „      | 50000 cub. in. to cub. yds.      |
| (213) | „      | 73210 cub. in. to cub. yds.      |
| (214) | „      | 9021 cub. in. to cub. ft.        |
| (215) | „      | 3726 cub. ft. to cub. yds.       |
| (216) | „      | 80219 cub. in. to cub. yds.      |
| (217) | „      | 1800000 cub. in. to cub. yds.    |
| (218) | „      | 1760 inches to yards.            |
| (219) | „      | 318 inches to quarters.          |
| (220) | „      | 9900 nails to yards.             |
| (221) | „      | 796 inches to yards.             |
| (222) | „      | 7021 nails to E. ells.           |
| (223) | „      | 363 inches to E. ells.           |
| (224) | „      | 9001 quarters to E. ells.        |
| (225) | „      | 579 inches to nails.             |

|       |        |   |
|-------|--------|---|
| (226) | Reduce | 13002 Troy grains to lbs.                   |
| (227) | "      | 7206 " grains to lbs.                       |
| (228) | "      | 1396 " dwts. to lbs.                        |
| (229) | "      | 7012 " ounces to lbs.                       |
| (230) | "      | 11591 " grains to ounces.                   |
| (231) | "      | 73956 " grains to lbs.                      |
| (232) | "      | 19000 " grains to lbs.                      |
| (233) | "      | 59163 " grains to lbs.                      |
| (234) | "      | 7113 " dwts. to lbs.                        |
| (235) | "      | 3121 ounces Apoth. to lbs.                  |
| (236) | "      | 17000 grains " to lbs.                      |
| (237) | "      | 29206 grains " to lbs.                      |
| (238) | "      | 446 scruples " to lbs.                      |
| (239) | "      | 31313 grains " to ounces.                   |
| (240) | "      | 5136 grains " to ounces.                    |
| (241) | "      | 2140 drams " to lbs.                        |
| (242) | "      | 70300 grains " to lbs.                      |
| (243) | "      | 71933 grains Troy to lbs. Avoirdupois.      |
| (244) | "      | 963 lbs. 4 oz. Av. to lbs. Troy.            |
| (245) | "      | 118½ lbs. Troy to lbs. Avoirdupois.         |
| (246) | "      | 4¾ lbs. Avoirdupois to Troy ounces.         |
| (247) | "      | 701 lbs. 5 oz. 19 dwts. 13 grs. to lbs. Av. |
| (248) | "      | 19706 sheets to reams.                      |
| (249) | "      | 5471 sheets to quires.                      |
| (250) | "      | 330 scores to dozens.                       |
| (251) | "      | 1000000 ounces to cwts., &c.                |
| (252) | "      | " grs. Troy to lbs., &c.                    |
| (253) | "      | " grs. Apoth. to lbs., &c.                  |
| (254) | "      | " sq. yds. to acres, &c.                    |
| (255) | "      | " hours to years, &c.                       |
| (256) | "      | " feet to miles, &c.                        |
| (257) | "      | " pecks to loads, &c.                       |
| (258) | "      | " cub. in. to cub. yds., &c.                |
| (259) | "      | " inches to English ells, &c.               |
| (260) | "      | 139091216 drams to tons.                    |
| (261) | "      | " grs. Troy to lbs.                         |
| (262) | "      | " grs. Apoth. to lbs.                       |
| (263) | "      | " inches to miles.                          |
| (264) | "      | " sq. in. to acres.                         |

- (265) Reduce 139091216 seconds to years.  
 (266) " " pints to loads.  
 (267) " " cub. in. to cub. yds.  
 (268) " " in. to English ells.  
 (269) " 1301416511 drams to tons.  
 (270) " " grs. Troy to lbs.  
 (271) " " grs. Apoth. to lbs.  
 (272) " " inches to miles.  
 (273) " " square inches to acres.  
 (274) " " seconds to years.  
 (275) " " gallons to quarters.  
 (276) " " cub. in. to cub. yds.  
 (277) " 713969400 drs. to tons.  
 (278) " " grs. Troy to lbs.  
 (279) " " grs. Apoth. to lbs.  
 (280) " " in. to miles.  
 (281) " " sq. in. to acres.  
 (282) " " seconds to years.  
 (283) " " gallons to bushels.  
 (284) " " cub. in. to cub. yds.  
 (285) " 413419019 ounces to tons.  
 (286) " " grs. Troy to lbs.  
 (287) " " grs. Apoth. to lbs.  
 (288) " " in. to miles.  
 (289) " " sq. inches to acres.  
 (290) " " seconds to years.  
 (291) " " quarts to loads.  
 (292) " " cub. in. to cub. yds.  
 (293) " 580469322 drs. to tons.  
 (294) " " grs. Troy to lbs.  
 (295) " " grs. Apoth. to lbs.  
 (296) " " in. to miles.  
 (297) " " sq. in. to acres.  
 (298) " " seconds to years.  
 (299) " " pints to loads.  
 (300) " " cub. in. to cub. yds.  
 (301) " 15 stones 6 lbs. to lbs.  
 (302) How many cwts. are there in 30215 ounces?  
 (303) Find the difference of 3 lbs. 5 oz. Troy and 6984 grains.

(304) Express in lbs. the difference of 1 ton 12 cwt. 3 qrs. 15 lbs. and 96032 ounces.

(305) Express in grains the difference of  $2\frac{1}{2}$  lbs. Avoirdupois and 3 lbs. Troy.

(306) Mont Blanc is 15732 ft. high, Snowdon 3571. Express the difference in miles, &c.

(307) How many yards, &c. are there in 4041 inches ?

(308) Find the weight in cwts., &c. of 15 parcels of goods each weighing 102 lbs.

(309) Reduce 11 tons 13 cwt. 3 qrs. 12 lbs. 9 oz. 14 drs. to drams.

(310) The highest known point, Mt Everest, is 29002 ft. above sea level : express this in miles.

(311) How many cubic inches are contained in a vessel a yard long, broad, and deep ?

(312) How many acres are contained in 12 plots of ground, each 2000 sq. yards ?

(313) Reduce  $4\frac{1}{2}$  acres to yards, and divide the result by 80.

(314) How many seconds are there in the sum of  $1\frac{3}{4}$  hours +  $1\frac{3}{4}$  minutes ?

(315) Reduce  $13^{\circ} 16' 30''$  to seconds.

(316) How many bushels are there in 1301 pints ?

(317) How many days are there in 59600 minutes ?

(318) If 84 lbs. of flour be given to each of 150 persons, how many stones weight were distributed, and find the value at half-a-crown the stone ?

(319) How many seconds in a year containing 365 days 5 hours 48 min. 49 sec. ?

(320) How many imperial pints may be bottled from a hhd. of ale ?

(321) If a brewer brews on the average 1000 quarts of ale each working day, how many lhds. does he brew in a year ?

(322) How many sq. yards are there in 43200 sq. inches ?

(323) Reduce 4096 sq. ft. to sq. poles.

(324) Seven plots of land are sold, measuring respectively  $5\frac{1}{4}$  acres, 3 ac. 2 r. 12 p., 4 ac. 1 r. 11 poles, 3002 sq. yards, 4 p.,  $3\frac{1}{2}$  acres and 23 p. 11 yds. : reduce these to yards, find their sum and reduce the result to acres, &c.

(325) How many times is 9 m. 1 fur. 113 yds. contained in 73 miles 4 fur. 24 yds. ?

(326) Reduce 43 cubic yards 8 cub. ft. to cubic inches.

(327) If a person can excavate 1 cub. yd. 5 cub. ft. of soil in an hour, how many hours will it take him to dig out 64 cub. yds. ?

(328) How many qrs. of wheat are contained in 3176 pecks ?

(329) How many hours have elapsed from 6 a.m. on Jan. 12th to 6 p.m. on Feb. 17th of the same year ?

(330) Reduce 5 lbs. 3 oz. 5 drams 2 sc. 15 grains Apothecaries' weight to Troy weight.

(331) How many tons of provisions will be required for a crew of 313 men for 3 years if each man's daily allowance be 3 lbs. 4 oz. ?

(332) If a person walks 33000 yds. each day for three successive days, how many miles has he gone altogether ?

(333) How many square miles are there in a tract of land comprising 12 millions of perches ?

(334) How many yards of calico are there in 7 pieces, each containing 336 nails ?

(335) If 16 lbs. of bread may be made from a peck of flour, what weight may be made from 4 qrs. 3 bus. ?

(336) Reduce 3 cwt. 2 qrs. 11 lbs. to lbs.

(337) How many times is  $3\frac{1}{4}$  lbs. contained in 52 stones ?

(338) Find the cost of 7 cwt. 3 qrs. of tea at 4s. per lb.

(339) What is the value of 31 parcels of calico, each 12 pieces, and each piece 72 yards, at  $5\frac{1}{4}d.$  per yard ?

(340) If 8 bushels of potatoes are raised on a rood of ground, what quantity can be raised on 10 ac. 3 roods ?

(341) Reduce 350 lbs. Troy to Avoirdupois weight.

(342) By how many lbs. is 3 cwt. 1 qr. 11 lbs. short of half a ton ?

(343) Find the cost of a hhd. of wine containing 63 gallons at half-a-crown per pint.

(344) A wine merchant sold 3 pipes of port at 21s. 9d. per gallon ; 3 pipes of sherry at 18s. 6d. per gallon ; and 2 pipes of claret at 11s. 6d. per gallon. Find the cost of the whole.

(345) Find the cost of 7 lbs. 11 oz. of gold at £3. 17. 10½ per oz.

(346) Reduce 11¼ tons, 11¼ cwt., and 11¼ lbs. to quantities of the same denomination : find the sum of these quantities : multiply the sum by four and reduce the result to tons, &c.

(347) What is the cost of 3 ac. 3r. 25 poles of land at 9d. per sq. yd. ?

(348) A chemist receives a parcel containing 3 lbs. 5 oz. 13 grs. of calomel, 1 lb. 11 oz. 13 dwts. 8 grs. of arsenic, 2 lbs. 9 oz. 19 grs. of gamboge, and 18 oz. 3 dwts. 3 grs. of corrosive sublimate : find the weight of the parcel in Avoirdupois weight.

(349) How many yards of cloth are contained in 3 pieces, each 55 ells long ?

(350) How much does an innkeeper gain by purchasing 11 casks of ale, each 18 gallons, at £1. 4. 0 per cask, and retailing the whole at three halfpence per half-pint ?

(351) What is the whole cost of laying a wooden platform to cover 25 poles of ground at 2d. per sq. foot, the labour costing 28 guineas ?

(352) How many times is 5 min. 22 sec. contained in 1 hr. 41 min. 58 sec. ?

(353) How many acres are contained in 83 times 1140 yards ?

(354) Find the value of a silver cup weighing 3 lbs. 11½ oz. Troy at 7s. 9½d. per ounce.

(355) What amount will pay the wages of 5 men for 17 days 4½ hours at 8d. per hour, there being nine working hours to the day ?

(356) Reduce 10000 sq. yards to poles.

(357) Express 2 lbs. Avoirdupois in Troy weight.

(358) What is the cost of potatoes per ton when they are selling at 1s. 3½d. per stone ?

(359) What is the cost of reaping 11 ac. 3 r. 13 poles of land at  $2\frac{3}{4}d.$  per pole?

(360) At sixteen pence per day what will be the amount for 3 years 113 days?

(361) What is the cost of laying 3 miles 5 fur. 115 yards of gas-piping at  $7\frac{3}{4}d.$  per yard?

(362) What cost  $13\frac{1}{2}$  yards of lead piping, 17 lbs. to the yard, at  $6d.$  per lb.?

(363) What would a plumber charge for lining a cistern with 7 cwt. 2 qrs. 19 lbs. of lead at  $8\frac{1}{2}d.$  per lb.?

(364) What is the whole cost of 250 tons of scrap-iron at  $\frac{3}{4}d.$  per lb.?

(365) What cost 14 cwt. 3 qrs. 10 lbs. of soda crystals at a half-penny per lb.?

(366) Find the cost of 3 tons  $17\frac{1}{2}$  cwts. of coal at  $8d.$  per cwt.

(367) Find in Avoirdupois weight the weight of a cubic yard of water if a cubic inch weighs 253 Troy grains.

(368) Reduce 3 ac. 3 r. 3 p. 13 yds. to square ft.

(369) Reduce 840609 seconds to working days of ten hours each.

(370) Find the cost of 1 cwt. 3 qrs.  $11\frac{1}{2}$  lbs. of butter at eighteen pence per lb.

(371) Find the number of days from Jan. 20th, 1862, to July 23rd, 1866, both inclusive.

(372) What is the cost of excavating a tunnel 3 miles 3 fur. 145 yds. long at a cost of £2. 12. 9 per yard?

(373) Reduce 11021 lbs. to tons.

(374) How many times is  $9\frac{1}{4}$  lbs. contained in 37 stones?

(375) If  $1\frac{1}{4}$  lbs. of biscuit is allowed daily to each of the 63217 seamen in the Royal Navy, what weight would be required for a year's consumption?

(376) Reduce 75 times 315 grains Troy to lbs.

(377) How many square miles are there in 3636000000 sq. feet?

(378) A part of the sea is found to be  $17\frac{1}{2}$  fathoms deep : express this in yards.

(379) From 30317 grains take 2019 grains Troy, and reduce the remainder to Avoirdupois weight.

(380) How many miles are there in 30217 yards ?

(381) Reduce the sum of  $1\frac{1}{4}$  cwt.,  $1\frac{1}{4}$  lbs.,  $1\frac{1}{4}$  qrs. and  $1\frac{1}{4}$  oz. to drams.

(382) In 110613 sq. ft. how many square poles ?

(383) Find the weight in tons, &c. of 16 hogsheads of tobacco, each weighing 596 lbs.

(384) Reduce 3195 lbs. to stones.

(385) How many miles are there in 307169 half inches ?

(386) Reduce 31 yds. 3 qrs. 3 nls. 1 in. to inches.

(387) How many weeks are there in 3012063 seconds ?

(388) How many square yards are there in  $11\frac{1}{4}$  acres ?

(389) Reduce 11 poles 5 sq. yds. 9 in. to square inches.

(390) Find in lbs., &c. the eighth part of 374560 Troy grains.

(391) Reduce 496376 hours to years.

(392) How many tons are there in 4791 stones ?

(393) How many working days of  $9\frac{1}{2}$  hours each are there in 5130 minutes ?

(394) How many ells are there in 474 inches ?

(395) Find the total weight of 33 parcels, each 29 lbs. ; 18 parcels, each  $17\frac{1}{2}$  lbs ; and 23 parcels, each 16 lbs.

(396) If the Times newspaper weighs 4 oz., find the weight of an edition consisting of a hundred thousand copies.

(397) A bushel of coke weighs  $13\frac{1}{2}$  lbs. : what is the weight of 31 bushels ?

(398) How many yards of silk can be made by 17 weavers in 8 days, if each weaver has charge of 3 looms and can make 121 inches on each loom per day ?

(399) Reduce  $2\frac{1}{4}$  millions of square feet to acres.

(400) Reduce  $13\frac{1}{2}$  lbs. Avoirdupois to Troy weight.

# COMPOUND ADDITION

(WEIGHTS AND MEASURES).

| (1)                 | (2)                | (3)                 | (4)                | (5)                |
|---------------------|--------------------|---------------------|--------------------|--------------------|
| tons cwt. qrs.      | cwt. qrs. lbs.     | qrs. lbs. oz.       | lbs. oz. drs.      | cwt. qrs. lbs.     |
| 13 19 3             | 15 3 26            | 17 27 15            | 102 15 15          | 27 1 5             |
| 7 0 2               | 37 0 2             | 5 26 14             | 36 13 1            | 3 3 27             |
| 16 13 1             | 6 2 10             | 93 20 12            | 7 9 0              | 19 0 20            |
| 11 11 3             | 11 3 11            | 6 25 10             | 15 0 5             | 104 3 16           |
| 26 17 2             | 38 3 5             | 2 24 6              | 7 11 10            | 76 1 17            |
| 13 19 0             | 17 2 17            | 1 12 3              | 13 13 6            | 38 2 13            |
| 7 3 3               | 26 1 27            | 1 11 13             | 18 10 5            | 38 0 24            |
| 4 11 3              | 19 3 16            | 5 7 15              | 5 13 6             | 13 0 15            |
| 14 15 1             | 28 0 3             | 8 13 14             | 27 14 14           | 9 3 19             |
| 11 16 3             | 17 3 11            | 17 9 10             | 3 12 9             | 6 2 20             |
| 13 0 2              | 3 2 6              | 36 16 9             | 8 9 7              | 15 2 15            |
| 8 9 0               | 139 2 22           | 12 7 4              | 6 15 4             | 8 3 14             |
| 9 7 3               | 58 1 19            | 44 15 8             | 3 10 2             | 17 1 16            |
| 6 5 1               | 66 1 13            | 16 14 7             | 5 14 3             | 3 3 22             |
|                     |                    |                     |                    |                    |
| (6)                 | (7)                | (8)                 | (9)                | (10)               |
| tons cwt. qrs. lbs. | cwt. qrs. lbs. oz. | tons cwt. qrs. lbs. | cwt. qrs. lbs. oz. | qrs. lbs. oz. drs. |
| 37 13 3 26          | 105 3 27 15        | 200 12 3 6          | 107 3 20 12        | 12 20 13 1         |
| 13 14 0 19          | 99 2 24 14         | 17 19 3 26          | 69 1 16 8          | 7 21 1 7           |
| 28 17 0 3           | 16 3 13 3          | 29 17 1 17          | 84 2 13 9          | 19 16 10 9         |
| 103 1 1 16          | 12 1 17 2          | 18 14 2 16          | 93 3 25 10         | 28 26 9 3          |
| 79 3 3 24           | 113 2 29 14        | 76 13 1 19          | 78 3 19 11         | 17 27 5 13         |
| 59 17 2 20          | 76 1 16 3          | 13 12 0 20          | 192 1 17 9         | 16 13 7 10         |
| 76 19 1 24          | 93 3 14 13         | 25 11 3 21          | 69 2 13 13         | 38 0 3 9           |
| 19 13 3 23          | 76 1 23 2          | 78 10 3 6           | 5 0 18 6           | 16 19 13 5         |
| 38 14 1 17          | 58 2 22 0          | 66 7 3 13           | 13 2 11 7          | 45 7 14 7          |
| 57 12 3 15          | 94 3 15 10         | 79 9 0 7            | 118 1 16 10        | 68 16 2 12         |
| 56 16 0 13          | 79 2 16 11         | 50 17 1 16          | 15 3 15 12         | 92 21 5 13         |
| 19 19 1 19          | 58 1 13 5          | 11 13 1 13          | 66 1 17 13         | 36 15 8 15         |
| 28 8 3 26           | 119 3 19 9         | 112 6 2 10          | 51 3 24 15         | 15 17 10 10        |
| 17 5 1 3            | 38 0 19 6          | 78 0 1 11           | 19 3 14 14         | 17 19 7 5          |

| (11) |           | (12) |           | (13) |           | (14)           |       | (15)      |                |
|------|-----------|------|-----------|------|-----------|----------------|-------|-----------|----------------|
| lbs. | oz. dwts. | lbs. | oz. dwts. | lbs. | oz. dwts. | oz. dwts. grs. | lbs.  | oz. dwts. | oz. dwts. grs. |
| 17   | 11 17     | 98   | 10 19     | 204  | 3 19      | 11             | 19 20 | 102       | 10 16          |
| 109  | 10 13     | 17   | 10 2      | 13   | 4 2       | 5              | 15 19 | 90        | 11 17          |
| 98   | 7 19      | 103  | 11 0      | 962  | 3 17      | 7              | 16 16 | 70        | 10 2           |
| 136  | 6 16      | 15   | 0 13      | 13   | 1 13      | 9              | 13 17 | 38        | 9 12           |
| 58   | 3 2       | 96   | 7 6       | 27   | 2 12      | 16             | 7 23  | 62        | 9 13           |
| 99   | 9 11      | 54   | 10 17     | 113  | 1 6       | 8              | 17 19 | 17        | 8 10           |
| 210  | 8 5       | 1017 | 5 5       | 96   | 7 15      | 3              | 2 5   | 69        | 7 7            |
| 112  | 4 15      | 201  | 6 19      | 158  | 6 14      | 17             | 11 15 | 167       | 6 6            |
| 38   | 7 14      | 7025 | 7 4       | 96   | 3 13      | 20             | 5 16  | 29        | 3 9            |
| 116  | 2 13      | 962  | 9 13      | 702  | 8 19      | 19             | 9 2   | 58        | 1 19           |
| 99   | 0 2       | 117  | 8 6       | 13   | 2 2       | 13             | 18 0  | 117       | 5 13           |
| 135  | 9 11      | 53   | 4 2       | 98   | 1 8       | 17             | 2 11  | 15        | 6 6            |
| 75   | 1 5       | 186  | 3 11      | 119  | 5 6       | 6              | 3 3   | 38        | 7 7            |
| 86   | 5 5       | 95   | 1 5       | 17   | 9 4       | 7              | 12 8  | 17        | 2 5            |

| (16) |           | (17)           |                | (18)           |       | (19)      |                | (20)           |                |
|------|-----------|----------------|----------------|----------------|-------|-----------|----------------|----------------|----------------|
| lbs. | oz. dwts. | oz. dwts. grs. | oz. dwts. grs. | oz. dwts. grs. | lbs.  | oz. dwts. | oz. dwts. grs. | oz. dwts. grs. | oz. dwts. grs. |
| 172  | 3 15      | 109            | 17 17          | 10             | 2 20  | 117       | 11 19          | 9              | 19 21          |
| 96   | 9 17      | 5              | 2 9            | 3              | 12 17 | 38        | 3 13           | 19             | 16 22          |
| 86   | 5 9       | 38             | 2 20           | 17             | 19 13 | 93        | 7 14           | 6              | 13 20          |
| 179  | 10 19     | 117            | 0 21           | 3              | 6 10  | 17        | 9 2            | 17             | 10 23          |
| 96   | 11 16     | 38             | 1 3            | 16             | 16 3  | 473       | 10 9           | 3              | 11 19          |
| 72   | 10 14     | 79             | 5 17           | 3              | 13 17 | 58        | 11 16          | 17             | 5 19           |
| 38   | 11 3      | 132            | 19 6           | 18             | 17 15 | 17        | 3 17           | 3              | 19 13          |
| 59   | 9 7       | 76             | 6 9            | 7              | 12 9  | 63        | 11 13          | 29             | 16 19          |
| 167  | 7 9       | 99             | 13 19          | 11             | 13 16 | 172       | 10 9           | 16             | 17 7           |
| 75   | 6 18      | 298            | 17 3           | 15             | 2 23  | 98        | 9 18           | 3              | 2 16           |
| 38   | 3 13      | 172            | 2 7            | 29             | 9 22  | 76        | 3 18           | 17             | 11 3           |
| 19   | 8 10      | 36             | 3 17           | 17             | 6 17  | 91        | 7 19           | 10             | 15 17          |
| 196  | 8 7       | 159            | 13 13          | 10             | 7 13  | 19        | 9 10           | 13             | 9 6            |
| 77   | 7 2       | 104            | 17 11          | 19             | 6 5   | 30        | 3 7            | 11             | 6 18           |

| (21) |     |      | (22) |      |     | (23) |     |      | (24) |     |      | (25) |     |      |
|------|-----|------|------|------|-----|------|-----|------|------|-----|------|------|-----|------|
| lbs. | oz. | drs. | oz.  | drs. | sc. | drs. | sc. | grs. | lbs. | oz. | drs. | lbs. | oz. | drs. |
| 20   | 5   | 7    | 17   | 7    | 2   | 17   | 2   | 17   | 17   | 7   | 7    | 10   | 11  | 7    |
| 17   | 4   | 1    | 3    | 3    | 1   | 13   | 2   | 3    | 13   | 3   | 3    | 13   | 9   | 4    |
| 13   | 3   | 5    | 9    | 4    | 0   | 9    | 1   | 9    | 12   | 6   | 6    | 76   | 10  | 6    |
| 29   | 7   | 4    | 6    | 3    | 1   | 15   | 2   | 19   | 109  | 9   | 4    | 29   | 5   | 3    |
| 16   | 11  | 3    | 16   | 4    | 1   | 37   | 2   | 10   | 58   | 5   | 4    | 138  | 7   | 0    |
| 75   | 9   | 1    | 15   | 2    | 0   | 86   | 1   | 3    | 76   | 1   | 3    | 66   | 6   | 2    |
| 116  | 6   | 2    | 17   | 1    | 2   | 19   | 0   | 17   | 19   | 4   | 5    | 59   | 3   | 1    |
| 79   | 4   | 0    | 9    | 5    | 1   | 5    | 1   | 3    | 12   | 3   | 6    | 176  | 11  | 7    |
| 119  | 7   | 1    | 6    | 4    | 2   | 76   | 0   | 13   | 113  | 1   | 7    | 58   | 7   | 5    |
| 78   | 3   | 7    | 28   | 3    | 2   | 15   | 1   | 14   | 76   | 6   | 2    | 79   | 10  | 6    |
| 99   | 1   | 6    | 15   | 1    | 1   | 9    | 2   | 15   | 55   | 4   | 0    | 11   | 9   | 5    |
| 33   | 5   | 5    | 7    | 5    | 2   | 15   | 1   | 14   | 16   | 3   | 1    | 38   | 6   | 3    |
| 88   | 9   | 4    | 9    | 4    | 1   | 7    | 2   | 11   | 17   | 2   | 4    | 115  | 4   | 4    |
| 67   | 4   | 3    | 19   | 7    | 0   | 1    | 2   | 10   | 2    | 0   | 3    | 77   | 7   | 4    |

| (26) |     |      | (27) |     |      | (28) |      |     | (29) |     |      | (30) |     |      |
|------|-----|------|------|-----|------|------|------|-----|------|-----|------|------|-----|------|
| drs. | sc. | grs. | drs. | sc. | grs. | oz.  | drs. | sc. | lbs. | oz. | drs. | drs. | sc. | grs. |
| 16   | 2   | 16   | 17   | 2   | 16   | 71   | 7    | 2   | 171  | 11  | 7    | 18   | 2   | 15   |
| 124  | 1   | 14   | 16   | 1   | 3    | 13   | 2    | 2   | 38   | 5   | 4    | 15   | 1   | 15   |
| 33   | 2   | 10   | 2    | 0   | 1    | 3    | 3    | 2   | 19   | 7   | 3    | 14   | 0   | 14   |
| 2    | 0   | 12   | 13   | 2   | 4    | 8    | 4    | 1   | 15   | 10  | 7    | 37   | 2   | 13   |
| 7    | 2   | 13   | 119  | 1   | 14   | 6    | 5    | 2   | 53   | 5   | 4    | 31   | 2   | 10   |
| 19   | 1   | 17   | 63   | 0   | 7    | 92   | 6    | 0   | 17   | 4   | 5    | 19   | 2   | 11   |
| 77   | 1   | 19   | 44   | 0   | 15   | 14   | 2    | 0   | 16   | 11  | 6    | 27   | 1   | 7    |
| 16   | 1   | 16   | 19   | 2   | 19   | 55   | 1    | 1   | 219  | 10  | 7    | 38   | 2   | 3    |
| 13   | 2   | 13   | 38   | 1   | 19   | 54   | 3    | 1   | 61   | 3   | 6    | 16   | 2   | 19   |
| 18   | 0   | 2    | 17   | 2   | 13   | 13   | 1    | 2   | 72   | 9   | 3    | 23   | 1   | 16   |
| 126  | 2   | 11   | 63   | 1   | 10   | 17   | 5    | 2   | 59   | 10  | 7    | 11   | 2   | 12   |
| 13   | 2   | 9    | 72   | 1   | 11   | 13   | 5    | 2   | 63   | 3   | 5    | 19   | 2   | 11   |
| 17   | 0   | 5    | 15   | 2   | 13   | 2    | 6    | 1   | 98   | 7   | 4    | 10   | 1   | 10   |
| 10   | 2   | 16   | 16   | 1   | 10   | 20   | 4    | 1   | 18   | 6   | 4    | 75   | 0   | 9    |

| (31) |      |     | (32) |     |      | (33) |     |                | (34) |      |     | (35) |     |     |
|------|------|-----|------|-----|------|------|-----|----------------|------|------|-----|------|-----|-----|
| m.   | fur. | po. | fur. | po. | yds. | fur. | po. | yds.           | po.  | yds. | ft. | yds. | ft. | in. |
| 1    | 7    | 37  | 7    | 32  | 5    | 19   | 36  | $1\frac{1}{2}$ | 38   | 4    | 2   | 36   | 2   | 11  |
| 2    | 4    | 26  | 1    | 31  | 3    | 1    | 26  | 3              | 29   | 3    | 1   | 17   | 0   | 10  |
| 3    | 3    | 13  | 5    | 18  | 2    | 16   | 11  | 2              | 16   | 4    | 1   | 19   | 0   | 9   |
| 7    | 6    | 38  | 6    | 16  | 1    | 17   | 6   | $3\frac{1}{2}$ | 17   | 3    | 2   | 20   | 1   | 7   |
| 6    | 4    | 29  | 3    | 27  | 4    | 30   | 0   | $1\frac{1}{4}$ | 30   | 2    | 1   | 19   | 1   | 5   |
| 9    | 3    | 17  | 6    | 14  | 3    | 15   | 3   | 2              | 11   | 1    | 2   | 38   | 2   | 3   |
| 5    | 4    | 15  | 9    | 13  | 4    | 20   | 13  | 4              | 5    | 5    | 2   | 17   | 1   | 4   |
| 9    | 5    | 19  | 4    | 29  | 3    | 80   | 29  | 5              | 51   | 4    | 1   | 16   | 2   | 9   |
| 8    | 0    | 36  | 1    | 35  | 5    | 31   | 39  | 5              | 29   | 3    | 0   | 19   | 1   | 11  |
| 7    | 0    | 11  | 4    | 16  | 5    | 16   | 16  | $3\frac{1}{4}$ | 93   | 2    | 1   | 39   | 2   | 10  |
| 6    | 3    | 17  | 9    | 26  | 5    | 2    | 15  | 4              | 16   | 1    | 2   | 58   | 1   | 5   |
| 4    | 1    | 15  | 8    | 11  | 4    | 11   | 17  | $5\frac{1}{4}$ | 72   | 2    | 2   | 29   | 1   | 6   |
| 3    | 5    | 29  | 5    | 10  | 3    | 5    | 36  | 3              | 11   | 4    | 1   | 57   | 2   | 7   |
| 9    | 4    | 16  | 6    | 27  | 2    | 9    | 19  | $1\frac{3}{4}$ | 13   | 2    | 1   | 55   | 2   | 6   |

| (36) |     |     | (37) |      |     | (38) |     |                | (39) |      |     | (40) |     |                |
|------|-----|-----|------|------|-----|------|-----|----------------|------|------|-----|------|-----|----------------|
| yds. | ft. | in. | m.   | fur. | po. | fur. | po. | yds.           | po.  | yds. | ft. | fur. | po. | yds.           |
| 1107 | 2   | 0   | 17   | 7    | 38  | 15   | 36  | $5\frac{1}{4}$ | 4    | 4    | 2   | 90   | 31  | 4              |
| 309  | 1   | 0   | 29   | 4    | 12  | 16   | 23  | 4              | 96   | 4    | 1   | 36   | 31  | 5              |
| 5004 | 1   | 7   | 38   | 3    | 0   | 23   | 17  | $3\frac{1}{2}$ | 13   | 3    | 1   | 73   | 37  | 3              |
| 746  | 0   | 11  | 27   | 5    | 25  | 14   | 19  | 3              | 11   | 4    | 2   | 89   | 16  | $3\frac{1}{2}$ |
| 38   | 2   | 9   | 53   | 1    | 17  | 38   | 17  | $2\frac{1}{4}$ | 53   | 4    | 2   | 62   | 10  | $3\frac{3}{4}$ |
| 696  | 2   | 5   | 18   | 4    | 13  | 19   | 13  | 3              | 19   | 3    | 1   | 58   | 9   | 2              |
| 1921 | 2   | 6   | 96   | 3    | 11  | 24   | 24  | $4\frac{1}{2}$ | 38   | 3    | 0   | 63   | 19  | $2\frac{1}{2}$ |
| 684  | 2   | 7   | 76   | 7    | 21  | 16   | 38  | 2              | 27   | 2    | 1   | 70   | 6   | $1\frac{1}{4}$ |
| 72   | 1   | 6   | 59   | 6    | 18  | 55   | 17  | 3              | 64   | 2    | 2   | 59   | 17  | 1              |
| 1017 | 0   | 3   | 63   | 3    | 19  | 16   | 16  | 1              | 95   | 1    | 2   | 82   | 15  | 4              |
| 914  | 2   | 1   | 15   | 7    | 16  | 37   | 27  | $1\frac{1}{2}$ | 27   | 2    | 1   | 15   | 3   | 3              |
| 9026 | 1   | 10  | 38   | 6    | 23  | 16   | 19  | $5\frac{1}{4}$ | 11   | 3    | 2   | 63   | 29  | 2              |
| 1103 | 2   | 9   | 17   | 7    | 16  | 96   | 16  | 4              | 30   | 4    | 1   | 77   | 18  | 4              |
| 795  | 1   | 4   | 63   | 5    | 15  | 37   | 17  | $0\frac{1}{4}$ | 62   | 5    | 2   | 66   | 34  | 5              |

COMPOUND ADDITION (WEIGHTS AND MEASURES). 113

| (41) |      |      |     | (42) |      |      | (43) |      |                 | (44) |      |                 | (45) |      |                 |
|------|------|------|-----|------|------|------|------|------|-----------------|------|------|-----------------|------|------|-----------------|
| yds. | qrs. | nls. | in. | yds. | qrs. | nls. | qrs. | nls. | in.             | qrs. | nls. | in.             | qrs. | nls. | in.             |
| 111  | 3    | 3    | 2   | 1105 | 3    | 3    | 7    | 3    | 2               | 501  | 3    | 2               | 104  | 3    | 1 $\frac{1}{2}$ |
| 36   | 3    | 2    | 1   | 906  | 2    | 1    | 3    | 3    | 1 $\frac{1}{2}$ | 73   | 2    | 1 $\frac{1}{4}$ | 73   | 3    | 0 $\frac{1}{4}$ |
| 18   | 3    | 1    | 1   | 779  | 1    | 2    | 8    | 3    | 1               | 84   | 2    | 1 $\frac{1}{2}$ | 86   | 2    | 2               |
| 92   | 2    | 1    | 2   | 816  | 2    | 1    | 19   | 2    | 2               | 196  | 2    | 2               | 92   | 3    | 2               |
| 36   | 1    | 3    | 1   | 902  | 1    | 2    | 15   | 2    | 1 $\frac{3}{4}$ | 75   | 1    | 2               | 111  | 3    | 2               |
| 55   | 2    | 2    | 1   | 13   | 1    | 3    | 7    | 2    | 0 $\frac{1}{2}$ | 83   | 2    | 1 $\frac{3}{4}$ | 59   | 2    | 1 $\frac{3}{4}$ |
| 773  | 2    | 1    | 2   | 1107 | 2    | 3    | 16   | 2    | 0               | 97   | 1    | 1 $\frac{1}{4}$ | 68   | 2    | 0 $\frac{1}{4}$ |
| 369  | 2    | 2    | 1   | 908  | 1    | 3    | 35   | 1    | 1               | 66   | 3    | 1               | 75   | 0    | 0 $\frac{1}{2}$ |
| 58   | 2    | 0    | 2   | 76   | 2    | 2    | 2    | 2    | 2               | 38   | 3    | 0 $\frac{3}{4}$ | 116  | 1    | 1 $\frac{1}{2}$ |
| 137  | 3    | 0    | 1   | 9031 | 2    | 1    | 11   | 1    | 2               | 113  | 3    | 1 $\frac{1}{2}$ | 73   | 1    | 1 $\frac{1}{2}$ |
| 266  | 1    | 1    | 1   | 736  | 2    | 2    | 55   | 0    | 1 $\frac{3}{4}$ | 72   | 3    | 0 $\frac{1}{2}$ | 96   | 2    | 0 $\frac{1}{4}$ |
| 78   | 1    | 3    | 1   | 15   | 2    | 1    | 72   | 0    | 1               | 111  | 3    | 1               | 74   | 3    | 1 $\frac{3}{4}$ |
| 92   | 3    | 3    | 2   | 196  | 1    | 3    | 84   | 2    | 1 $\frac{1}{4}$ | 57   | 1    | 0               | 319  | 3    | 1               |
| 195  | 1    | 2    | 2   | 200  | 1    | 3    | 17   | 1    | 1 $\frac{1}{2}$ | 68   | 0    | 2               | 112  | 3    | 2               |

| (46) |      |      |     | (47) |      |      | (48) |      |      | (49) |      |                 | (50) |      |                 |
|------|------|------|-----|------|------|------|------|------|------|------|------|-----------------|------|------|-----------------|
| yds. | qrs. | nls. | in. | yds. | qrs. | nls. | yds. | qrs. | nls. | qrs. | nls. | in.             | qrs. | nls. | in.             |
| 7    | 3    | 1    | 2   | 136  | 3    | 2    | 176  | 3    | 2    | 104  | 3    | 2               | 71   | 3    | 1 $\frac{1}{4}$ |
| 1    | 3    | 3    | 1   | 714  | 3    | 2    | 1015 | 2    | 2    | 76   | 2    | 1 $\frac{1}{2}$ | 17   | 3    | 2               |
| 3    | 2    | 2    | 1   | 809  | 3    | 2    | 963  | 1    | 3    | 38   | 1    | 0 $\frac{1}{4}$ | 38   | 2    | 2               |
| 8    | 2    | 2    | 2   | 36   | 2    | 1    | 715  | 2    | 3    | 75   | 1    | 1 $\frac{1}{4}$ | 83   | 1    | 2               |
| 9    | 2    | 1    | 1   | 175  | 1    | 0    | 73   | 1    | 3    | 67   | 0    | 1 $\frac{3}{4}$ | 19   | 3    | 1 $\frac{3}{4}$ |
| 4    | 3    | 3    | 1   | 96   | 2    | 0    | 86   | 3    | 2    | 138  | 0    | 0 $\frac{1}{2}$ | 91   | 1    | 1 $\frac{1}{4}$ |
| 6    | 3    | 2    | 2   | 138  | 2    | 2    | 119  | 1    | 3    | 96   | 3    | 1 $\frac{1}{4}$ | 74   | 1    | 1 $\frac{1}{4}$ |
| 7    | 2    | 2    | 2   | 29   | 1    | 3    | 73   | 3    | 1    | 75   | 3    | 1 $\frac{1}{4}$ | 76   | 3    | 0 $\frac{1}{2}$ |
| 3    | 2    | 1    | 2   | 71   | 2    | 3    | 59   | 2    | 1    | 19   | 3    | 0               | 67   | 1    | 1 $\frac{1}{4}$ |
| 8    | 3    | 3    | 1   | 96   | 1    | 3    | 196  | 1    | 1    | 309  | 3    | 2               | 10   | 1    | 0 $\frac{1}{2}$ |
| 9    | 3    | 2    | 2   | 38   | 3    | 2    | 38   | 3    | 3    | 17   | 1    | 2               | 5    | 2    | 2               |
| 6    | 3    | 2    | 2   | 196  | 1    | 1    | 111  | 3    | 2    | 67   | 3    | 0 $\frac{3}{4}$ | 11   | 2    | 1 $\frac{3}{4}$ |
| 7    | 1    | 1    | 1   | 99   | 2    | 0    | 59   | 3    | 2    | 139  | 0    | 1               | 23   | 3    | 0 $\frac{3}{4}$ |
| 5    | 0    | 3    | 1   | 44   | 2    | 1    | 704  | 2    | 2    | 65   | 2    | 0 $\frac{1}{4}$ | 70   | 3    | 1 $\frac{1}{2}$ |

| (51) |    |     |      | (52) |     |      |     | (53) |      |     |     | (54) |    |     |      | (55) |    |     |
|------|----|-----|------|------|-----|------|-----|------|------|-----|-----|------|----|-----|------|------|----|-----|
| ac.  | r. | po. | yds. | r.   | po. | yds. | ft. | po.  | yds. | ft. | in. | ac.  | r. | po. | yds. | ac.  | r. | po. |
| 310  | 3  | 30  | 20   | 11   | 36  | 30   | 7   | 17   | 20   | 7   | 119 | 115  | 3  | 31  | 21   | 1021 | 3  | 36  |
| 177  | 2  | 20  | 13   | 10   | 32  | 27   | 5   | 38   | 21   | 3   | 76  | 92   | 2  | 13  | 19   | 716  | 2  | 19  |
| 906  | 3  | 17  | 2    | 7    | 1   | 20   | 6   | 47   | 19   | 4   | 31  | 11   | 1  | 23  | 6    | 92   | 1  | 31  |
| 55   | 3  | 5   | 11   | 19   | 15  | 16   | 3   | 68   | 16   | 5   | 12  | 36   | 3  | 16  | 30   | 736  | 2  | 17  |
| 23   | 1  | 6   | 5    | 13   | 17  | 13   | 5   | 93   | 30   | 8   | 99  | 38   | 1  | 17  | 11   | 984  | 1  | 36  |
| 111  | 2  | 9   | 30   | 7    | 33  | 6    | 4   | 86   | 29   | 3   | 64  | 19   | 3  | 16  | 3    | 6946 | 3  | 15  |
| 76   | 3  | 19  | 2    | 16   | 24  | 7    | 3   | 17   | 16   | 0   | 38  | 14   | 2  | 9   | 16   | 712  | 2  | 25  |
| 96   | 3  | 24  | 12   | 15   | 16  | 19   | 4   | 36   | 15   | 6   | 77  | 76   | 2  | 5   | 15   | 108  | 1  | 27  |
| 137  | 1  | 19  | 17   | 4    | 19  | 13   | 7   | 11   | 17   | 4   | 64  | 38   | 2  | 24  | 29   | 11   | 3  | 26  |
| 66   | 2  | 26  | 16   | 7    | 27  | 12   | 6   | 15   | 20   | 3   | 99  | 196  | 3  | 16  | 16   | 73   | 2  | 11  |
| 79   | 2  | 13  | 24   | 16   | 38  | 21   | 3   | 99   | 0    | 7   | 104 | 75   | 3  | 22  | 17   | 59   | 2  | 3   |
| 193  | 3  | 36  | 17   | 19   | 11  | 11   | 7   | 66   | 3    | 2   | 131 | 69   | 1  | 11  | 36   | 68   | 1  | 19  |
| 74   | 1  | 11  | 16   | 13   | 5   | 9    | 4   | 55   | 11   | 1   | 27  | 60   | 3  | 9   | 11   | 73   | 1  | 5   |
| 16   | 2  | 2   | 19   | 10   | 6   | 15   | 5   | 40   | 2    | 5   | 16  | 44   | 3  | 5   | 4    | 17   | 3  | 36  |

| (56) |    |     |      | (57) |      |     | (58) |     |      | (59) |     |    | (60) |     |    |     |      |
|------|----|-----|------|------|------|-----|------|-----|------|------|-----|----|------|-----|----|-----|------|
| ac.  | r. | po. | yds. | s.   | yds. | ft. | in.  | po. | yds. | ft.  | ac. | r. | po.  | ac. | r. | po. | yds. |
| 96   | 1  | 31  | 30   | 114  | 7    | 113 |      | 9   | 27   | 7    | 400 | 3  | 26   | 5   | 3  | 37  | 30   |
| 17   | 2  | 37  | 27   | 38   | 8    | 79  |      | 7   | 26   | 2    | 51  | 2  | 19   | 7   | 3  | 36  | 20   |
| 98   | 3  | 16  | 15   | 146  | 8    | 140 |      | 19  | 13   | 5    | 315 | 3  | 17   | 9   | 2  | 12  | 10   |
| 17   | 3  | 19  | 16   | 699  | 6    | 96  |      | 3   | 3    | 6    | 703 | 1  | 36   | 6   | 2  | 11  | 20   |
| 99   | 1  | 27  | 15   | 38   | 4    | 11  |      | 7   | 17   | 3    | 11  | 0  | 37   | 8   | 1  | 9   | 11   |
| 63   | 2  | 15  | 24   | 414  | 3    | 83  |      | 6   | 30   | 8    | 599 | 3  | 11   | 4   | 3  | 19  | 5    |
| 75   | 2  | 36  | 23   | 599  | 2    | 0   |      | 9   | 11   | 7    | 83  | 2  | 16   | 7   | 2  | 16  | 9    |
| 69   | 1  | 37  | 27   | 63   | 6    | 59  |      | 8   | 5    | 6    | 76  | 1  | 15   | 9   | 1  | 30  | 6    |
| 38   | 2  | 25  | 16   | 79   | 7    | 126 |      | 7   | 6    | 3    | 19  | 2  | 19   | 9   | 3  | 32  | 3    |
| 96   | 3  | 11  | 19   | 87   | 8    | 75  |      | 5   | 9    | 1    | 385 | 1  | 38   | 8   | 3  | 22  | 13   |
| 75   | 1  | 10  | 16   | 196  | 7    | 59  |      | 6   | 29   | 4    | 75  | 2  | 17   | 9   | 1  | 19  | 18   |
| 92   | 3  | 9   | 13   | 58   | 6    | 83  |      | 3   | 18   | 5    | 69  | 1  | 9    | 2   | 3  | 16  | 28   |
| 13   | 1  | 29  | 23   | 138  | 5    | 114 |      | 8   | 15   | 3    | 115 | 2  | 16   | 1   | 2  | 15  | 24   |
| 95   | 3  | 17  | 24   | 901  | 1    | 21  |      | 5   | 15   | 6    | 68  | 2  | 3    | 3   | 1  | 27  | 16   |

COMPOUND ADDITION (WEIGHTS AND MEASURES). 115

| (61) |      |      | (62) |      |      | (63) |      |       | (64) |       |      | (65)  |      |      |
|------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|------|
| lds. | qrs. | bus. | qrs. | bus. | pks. | bus. | pks. | gals. | pks. | gals. | qts. | gals. | qts. | pts. |
| 103  | 4    | 7    | 20   | 4    | 3    | 9    | 3    | 1     | 5    | 1     | 3    | 15    | 3    | 1    |
| 97   | 3    | 6    | 11   | 3    | 2    | 5    | 2    | 1     | 9    | 0     | 2    | 20    | 2    | 1    |
| 908  | 2    | 3    | 9    | 2    | 1    | 19   | 1    | 1½    | 7    | 1     | 1    | 11    | 1    | 1    |
| 39   | 1    | 1    | 5    | 5    | 3    | 23   | 3    | 0     | 13   | 0     | 1    | 13    | 0    | 1    |
| 12   | 1    | 2    | 113  | 6    | 2    |      | 3    | 1½    | 3    | 1     | 0    | 17    | 3    | 0    |
| 13   | 2    | 5    | 2    | 4    | 2    | 11   | 2    | 1     | 6    | 1     | 2    | 6     | 3    | 1    |
| 72   | 3    | 5    |      | 3    | 3    | 1    | 3    | 0     | 11   | 1     | 3    | 19    | 3    | 0    |
| 66   | 4    | 4    | 5    | 7    | 3    | 5    | 1    | 0     | 5    | 1     | 1    | 13    | 3    | 1    |
| 11   | 3    | 3    | 6    | 7    | 2    |      | 3    | 1     | 7    | 0     | 3    | 28    | 2    | 1    |
| 119  | 4    | 1    | 7    | 5    | 1    | 16   | 3    | 0½    | 9    | 0     | 2    | 11    | 3    | 1    |
| 68   | 2    | 5    |      | 1    | 2    | 38   | 2    | 1     | 19   | 1     | 1    | 9     | 1    | 0    |
| 73   | 0    | 3    | 3    | 6    | 3    | 2    | 1    | 0     | 6    | 0     | 3    | 5     | 3    | 1    |
| 114  | 1    | 1    | 6    | 3    | 3    | 11   | 1    | 1     | 3    | 1     | 3    | 17    | 2    | 1    |
| 139  | 3    | 4    | 4    | 7    | 3    | 6    | 3    | 1     | 8    | 1     | 3    | 6     | 2    | 1    |

| (66) |      |      | (67) |      |      | (68) |      |      | (69)  |      |      | (70) |      |      |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
| lds. | qrs. | bus. | qrs. | bus. | pks. | qrs. | bus. | pks. | gals. | qts. | pts. | lds. | qrs. | bus. |
| 27   | 4    | 7    | 136  | 6    | 3    | 96   | 4    | 3    | 7     | 1    | 1    | 304  | 4    | 2    |
| 18   | 3    | 2    | 79   | 4    | 2    | 13   | 3    | 3    | 3     | 0    | 0    | 11   | 3    | 3    |
| 39   | 2    | 3    | 87   | 3    | 1    | 27   | 3    | 1    | 9     | 1    | 0    | 79   | 0    | 6    |
| 16   | 1    | 4    | 39   | 2    | 2    | 11   | 4    | 3    | 11    | 0    | 0    | 80   | 3    | 7    |
| 75   | 1    | 4    | 156  | 2    | 3    | 19   | 5    | 1    | 3     | 0    | 1    | 157  | 0    | 3    |
| 11   | 3    | 7    | 92   | 7    | 1    | 38   | 7    | 2    | 8     | 1    | 1    | 299  | 1    | 3    |
| 23   | 4    | 6    | 11   | 6    | 1    | 55   | 6    | 2    | 6     | 0    | 1    | 38   | 1    | 7    |
| 19   | 3    | 7    | 84   | 3    | 2    | 29   | 6    | 2    | 4     | 1    | 1    | 153  | 4    | 3    |
| 38   | 3    | 3    | 76   | 3    | 3    | 13   | 7    | 1    | 7     | 1    | 1    | 71   | 3    | 6    |
| 43   | 3    | 1    | 31   | 7    | 2    | 17   | 3    | 0    | 6     | 0    | 1    | 69   | 3    | 3    |
| 17   | 4    | 4    | 58   | 5    | 3    | 16   | 3    | 3    | 9     | 1    | 0    | 386  | 4    | 3    |
| 19   | 4    | 3    | 97   | 5    | 3    | 29   | 7    | 1    | 3     | 1    | 1    | 925  | 4    | 4    |
| 53   | 3    | 2    | 38   | 4    | 2    | 33   | 2    | 0    | 8     | 0    | 1    | 67   | 4    | 5    |
| 29   | 2    | 2    | 17   | 4    | 3    | 14   | 3    | 3    | 2     | 1    | 1    | 115  | 3    | 5    |

| (71)    |     |      | (72)    |     |     | (73)    |     |      | (74)    |     |     | (75)    |     |     |
|---------|-----|------|---------|-----|-----|---------|-----|------|---------|-----|-----|---------|-----|-----|
| c. yds. | ft. | in.  | c. yds. | ft. | in. | c. yds. | ft. | n.   | c. yds. | ft. | in. | c. yds. | ft. | in. |
| 3       | 20  | 51   | 50      | 2   | 104 | 49      | 24  | 1400 | 30      | 0   | 790 | 114     | 20  | 519 |
| 7       | 11  | 54   | 19      | 11  | 396 | 3       | 13  | 500  | 1       | 15  | 700 | 70      | 11  | 116 |
| 9       | 9   | 196  | 37      | 3   | 115 | 7       | 13  | 728  | 9       | 4   | 172 | 24      | 15  | 75  |
| 8       | 3   | 75   | 83      | 7   | 72  | 9       | 11  | 316  | 8       | 7   | 300 | 24      | 16  | 312 |
| 4       | 26  | 1000 | 70      | 17  | 495 | 6       | 10  | 44   | 4       | 6   | 456 | 33      | 13  | 78  |
| 7       | 14  | 376  | 17      | 20  | 382 | 3       | 16  | 11   | 17      | 3   | 73  | 81      | 23  | 62  |
| 11      | 13  | 210  | 5       | 16  | 116 | 8       | 26  | 119  | 6       | 13  | 70  | 62      | 19  | 940 |
| 6       | 6   | 1215 | 112     | 14  | 73  | 7       | 13  | 38   | 9       | 9   | 80  | 14      | 26  | 322 |
| 9       | 5   | 90   | 63      | 13  | 195 | 5       | 14  | 276  | 5       | 17  | 44  | 30      | 17  | 111 |
| 8       | 15  | 35   | 69      | 13  | 608 | 9       | 15  | 445  | 18      | 16  | 212 | 66      | 13  | 58  |
| 4       | 8   | 68   | 118     | 13  | 195 | 9       | 17  | 916  | 2       | 5   | 32  | 89      | 12  | 63  |
| 6       | 7   | 157  | 69      | 11  | 44  | 8       | 3   | 119  | 9       | 18  | 196 | 92      | 11  | 99  |
| 7       | 4   | 96   | 69      | 9   | 632 | 10      | 26  | 70   | 1       | 23  | 501 | 10      | 19  | 87  |
| 7       | 11  | 407  | 58      | 5   | 98  | 11      | 14  | 55   | 6       | 24  | 14  | 74      | 16  | 510 |

| (76)    |     |      | (77)    |     |     | (78)    |     |     | (79)    |     |     | (80)    |     |     |
|---------|-----|------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| c. yds. | ft. | in.  | c. yds. | ft. | in. | c. yds. | ft. | in. | c. yds. | ft. | in. | c. yds. | ft. | in. |
| 7       | 20  | 1703 | 5       | 16  | 413 | 36      | 13  | 48  | 3       | 14  | 199 | 37      | 13  | 144 |
| 3       | 13  | 795  | 9       | 13  | 29  | 23      | 7   | 52  | 7       | 7   | 715 | 16      | 2   | 156 |
| 3       | 17  | 62   | 8       | 1   | 735 | 24      | 17  | 921 | 6       | 0   | 136 | 13      | 7   | 372 |
| 1       | 20  | 314  | 7       | 7   | 196 | 7       | 16  | 984 | 9       | 13  | 556 | 96      | 19  | 296 |
| 4       | 16  | 435  | 3       | 9   | 514 | 19      | 20  | 732 | 8       | 2   | 496 | 18      | 5   | 118 |
| 7       | 13  | 699  | 9       | 18  | 512 | 3       | 11  | 70  | 2       | 1   | 713 | 43      | 16  | 96  |
| 8       | 23  | 75   | 11      | 23  | 62  | 18      | 15  | 69  | 1       | 11  | 96  | 76      | 2   | 173 |
| 6       | 12  | 199  | 3       | 17  | 175 | 7       | 6   | 365 | 5       | 3   | 185 | 15      | 8   | 96  |
| 9       | 11  | 38   | 39      | 24  | 98  | 9       | 23  | 54  | 6       | 8   | 964 | 73      | 24  | 146 |
| 5       | 21  | 935  | 18      | 5   | 114 | 19      | 16  | 193 | 7       | 9   | 137 | 86      | 20  | 38  |
| 7       | 15  | 78   | 17      | 15  | 432 | 6       | 18  | 714 | 6       | 6   | 98  | 27      | 13  | 936 |
| 9       | 18  | 143  | 5       | 10  | 58  | 11      | 2   | 0   | 5       | 13  | 99  | 5       | 19  | 73  |
| 6       | 16  | 195  | 67      | 11  | 69  | 5       | 13  | 56  | 4       | 7   | 146 | 9       | 25  | 96  |
| 3       | 7   | 80   | 4       | 3   | 20  | 2       | 5   | 93  | 9       | 15  | 77  | 19      | 26  | 75  |

COMPOUND ADDITION (WEIGHTS AND MEASURES). 117

| (81)           | (82)           | (83)           | (84)           | (85)           |
|----------------|----------------|----------------|----------------|----------------|
| yrs. wks. dys. | yrs. wks. dys. | dys. hrs. min. | dys. hrs. min. | hrs. min. sec. |
| 3 11 6         | 19 16 4        | 11 16 53       | 90 20 30       | 3 50 17        |
| 1 5 4          | 3 17 3         | 5 23 17        | 13 0 30        | 3 39 16        |
| 7 7 3          | 37 13 2        | 6 13 2         | 11 10 40       | 3 40 20        |
| 9 38 2         | 16 14 2        | 9 11 44        | 5 11 45        | 3 45 37        |
| 2 19 1         | 29 13 4        | 3 9 12         | 6 3 15         | 3 44 20        |
| 11 7 1         | 13 10 3        | 1 6 18         | 19 7 15        | 3 40 13        |
| 3 28 6         | 7 11 6         | 71 13 20       | 31 17 45       | 4 45 17        |
| 8 39 4         | 5 5 6          | 5 7 40         | 17 15 38       | 4 43 16        |
| 6 50 3         | 80 17 6        | 9 14 13        | 6 13 37        | 4 40 23        |
| 4 21 2         | 76 9 5         | 2 10 19        | 9 10 6         | 4 13 14        |
| 3 16 1         | 11 26 5        | 3 0 16         | 3 10 9         | 3 10 31        |
| 7 44 3         | 19 3 4         | 3 3 7          | 1 7 5          | 4 50 51        |
| 5 36 2         | 5 17 3         | 7 5 19         | 4 6 15         | 4 53 59        |
| 1 12 3         | 16 5 4         | 6 6 5          | 7 4 30         | 3 17 16        |

| (86)           | (87)          | (88)           | (89)           | (90)           |
|----------------|---------------|----------------|----------------|----------------|
| yrs. dys. hrs. | dys hrs. min. | wks. dys. hrs. | dys. hrs. min. | hrs. min. sec. |
| 17 104 10      | 5 12 50       | 8 4 10         | 7 23 40        | 11 40 16       |
| 13 76 20       | 7 12 13       | 7 4 15         | 3 17 20        | 10 0 30        |
| 20 300 20      | 3 12 36       | 6 6 3          | 8 13 15        | 9 30 30        |
| 21 73 21       | 9 10 17       | 3 3 20         | 4 10 30        | 5 31 12        |
| 7 65 14        | 8 11 30       | 7 6 17         | 6 20 20        | 4 45 40        |
| 9 19 14        | 14 12 30      | 6 6 4          | 4 17 11        | 7 40 40        |
| 14 4 14        | 7 17 45       | 4 4 14         | 3 4 19         | 3 37 48        |
| 2 204 10       | 6 17 10       | 3 3 9          | 2 14 59        | 8 30 40        |
| 11 76 23       | 9 10 15       | 9 2 19         | 1 10 40        | 9 11 45        |
| 6 11 20        | 4 11 8        | 6 2 6          | 9 11 50        | 6 17 43        |
| 7 5 17         | 3 10 43       | 4 3 17         | 6 9 40         | 11 40 20       |
| 4 3 3          | 7 9 19        | 3 3 20         | 4 6 30         | 10 13 17       |
| 3 30 13        | 2 19 6        | 1 2 14         | 3 5 35         | 5 7 16         |
| 6 180 5        | 1 6 7         | 5 1 10         | 4 1 15         | 8 20 14        |

| (91)           | (92)           | (93)          | (94)          | (95)          |
|----------------|----------------|---------------|---------------|---------------|
| tons cwt. qrs. | cwt. qrs. lbs. | mi. fur. yds. | fur. po. yds. | sq. m. ac. r. |
| 37 10 3        | 17 2 26        | 3 4 170       | 4 36 4        | 7 200 0       |
| 5 12 2         | 13 2 20        | 7 6 35        | 3 20 5        | 3 75 3        |
| 19 12 3        | 2 2 27         | 2 7 200       | 2 11 3        | 9 380 2       |
| 36 12 1        | 36 3 14        | 5 3 136       | 7 9 3         | 6 600 1       |
| 20 10 3        | 14 3 7         | 1 3 28        | 6 10 3        | 8 159 3       |
| 21 2 2         | 3 3 16         | 6 6 194       | 3 10 5        | 3 400 2       |
| 20 3 1         | 17 1 11        | 3 7 63        | 6 20 4        | 1 450 1       |
| 11 13 1        | 5 2 3          | 7 3 200       | 3 13 5        | 7 470 2       |
| 9 17 1         | 19 2 18        | 3 1 37        | 7 17 5        | 9 530 2       |
| 6 6 3          | 6 3 19         | 8 3 40        | 6 6 4         | 5 536 1       |
| 17 12 0        | 7 3 13         | 2 3 50        | 9 6 5         | 8 590 3       |
| 6 10 3         | 13 3 14        | 1 7 56        | 6 20 5        | 6 384 3       |
| 19 11 3        | 11 2 15        | 6 5 79        | 3 14 4        | 7 210 3       |
| 30 3 2         | 12 1 16        | 4 4 36        | 1 36 2        | 5 111 3       |

| (96)           | (97)         | (98)            | (99)           | (100)          |
|----------------|--------------|-----------------|----------------|----------------|
| qrs. bus. pks. | yds. ft. in. | sq.yds. ft. in. | yrs. dys. hrs. | c.yds. ft. in. |
| 17 4 3         | 10 2 11      | 16 7 100        | 7 300 20       | 13 17 1700     |
| 13 4 3         | 10 1 10      | 13 2 20         | 5 17 10        | 7 20 1400      |
| 20 3 2         | 9 0 9        | 10 4 130        | 9 116 9        | 9 20 1396      |
| 14 4 1         | 10 1 7       | 11 3 110        | 6 190 10       | 6 21 876       |
| 11 7 3         | 10 0 8       | 5 4 112         | 3 37 10        | 3 13 595       |
| 9 6 2          | 11 2 6       | 6 6 76          | 9 300 11       | 6 7 170        |
| 16 6 2         | 5 1 3        | 7 3 70          | 6 76 5         | 9 16 316       |
| 7 4 3          | 7 0 4        | 19 4 73         | 13 98 19       | 6 19 916       |
| 19 3 3         | 6 2 5        | 36 4 80         | 6 340 10       | 9 20 145       |
| 3 3 3          | 3 2 2        | 70 5 88         | 11 34 19       | 6 14 316       |
| 18 6 2         | 18 2 1       | 3 6 109         | 9 220 13       | 7 10 929       |
| 14 2 3         | 4 1 7        | 13 8 74         | 5 210 10       | 3 11 100       |
| 13 1 3         | 7 1 9        | 9 7 80          | 7 78 11        | 1 12 700       |
| 6 4 2          | 4 0 11       | 16 4 60         | 6 16 5         | 2 1 969        |

- (101) Find the sum of  $11\frac{1}{2}$  yds. +  $11\frac{1}{2}$  feet + 23 inches.
- (102) Add together 13 tons 11 cwt., 1 ton 10 cwt. 3 qrs., 9 cwt. 11 lbs., 3 qrs. 15 lbs. 8 oz., and 23 qrs. 15 lbs. 8 oz.
- (103) A coal merchant sold on Monday 103 tons 11 cwt. 3 qrs., on Tuesday 53 tons 9 cwt., on Wednesday  $83\frac{1}{4}$  tons, on Thursday 18 tons 11 cwt. 2 qrs., on Friday 109 tons, and on Saturday 118 tons 13 cwt. What was the whole weight sold in the week?
- (104) Three fields have an area respectively of 13 ac. 2 r. 11 p. 19 yds., 19 ac. 1 r. 35 p. 18 yds., and 35 ac. 14 p. 30 yds. What is the total area?
- (105) A person bought 17 yds. 3 qrs. 3 n., 15 yds. 2 qrs., 18 yds. 3 n. 1 in., 14 yds. 2 n.  $1\frac{1}{2}$  in., and 11 yds. 3 qrs. 2 n. of cloth : find the total length.
- (106) Add together 1 m. 3 fur. 25 yds., 7 fur. 142 yds.,  $2\frac{3}{4}$  m., 11 m. 7 fur. 19 p., and 63 m. 1 fur. 200 yds.
- (107) Find the total weight of five loads of hay weighing respectively 19 cwt. 3 qrs., 1 ton 2 cwt. 1 qr., 18 cwt. 3 qrs. 5 lbs., 17 cwt. 2 qrs. 11 lbs., and 19 cwt. 1 qr. 26 lbs.
- (108) Find the sum of  $8\frac{1}{2}$  oz.,  $3\frac{3}{4}$  oz., 1 lb. 5 oz., 6 lbs.  $11\frac{1}{2}$  oz., and  $3\frac{3}{4}$  lbs. Troy.
- (109) Find the total acreage of 31 ac. 3 r. 19 p. + 17 ac. 2 r. 25 p. + 13 ac. 0 r. 11 p. + 16 ac. 3 r. 12 p. + 19 ac. 5 p. + 10 ac. 13 p.
- (110) Add together 9 c. yds. 5 ft. 110 in., 8 c. yds. 11 ft. 1170 in., 11 c. yds. 4 ft. 723 in., and 18 c. yds. 14 ft. 1000 in.
- (111) Add together 3 miles, 33 furlongs, 5126 yards and 176 feet.
- (112) What is the entire length of 5 lines of railway measuring respectively 119 m. 3 fur. 13 p. 10 ft., 114 m. 5 fur. 7 p., 362 m. 1 fur. 111 yards, 46 m. 7 fur. 14 p. 3 yds., and 246 m. 3 fur. 37 yards?
- (113) Reduce the sum of 1190 sq. yds., 496 sq. yds., 8909 sq. yds., and 7173 sq. ft. to acres.
- (114) How many grains are there in the sum of 11 lbs. 5 oz. 6 dwts., 5 lbs. 3 oz., 7 lbs. 2 oz. 13 dwts., and 5 oz. 7 dwts. 20 grains?
- (115) An estate consists of 7369 ac. 3 r. 24 p. arable land, 9476 ac. 2 r.  $27\frac{1}{2}$  p. grass land, and 246 ac. 3 r. 39 p. woods and plantations. What is the acreage of the whole?

(116) A farmer sells 35 bus. 3 pks., 4 qrs. 7 bus. 2 pks., 81 bus. 3 pks., and 4 qrs. 6 bus. 2 pks. of wheat : how much altogether ?

(117) Find the sum of  $30^{\circ} 3' 3'' + 23^{\circ} 7' 27'' + 13^{\circ} 14' 15'' + 36^{\circ} 37' 36'' + 83^{\circ} 12' 11'' + 11^{\circ} 13' 26''$ .

(118) Find how many days in the sum of 3027 hours, 3027 minutes, and 3027 seconds.

(119) Find the sum of 363 cub. yds., 3630 cub. ft., and 36300 cub. in.

(120) A wine merchant sells 103 gallons 3 qts. 1 pt. of a certain wine, and has still remaining 43 gallons 1 pint of the same. What quantity had he at first ?

(121) A railway runs over 37 miles 3 fur. 191 yds. of embankment, through 86 m. 2 fur. 104 yds. of cuttings, and 7 miles 5 fur. 200 yds. of tunnels : what is its length ?

(122) Sold at one time 37 tons 11 cwt. 1 qr. of old iron, at another 86 tons 5 cwt. 3 qrs., and at another 113 tons 11 cwt. 1 qr. : what weight did I sell ?

(123) At a certain mill 37 tons 11 cwt. 3 qrs. of paper was made in one week, 43 tons 5 cwt. 1 qr. the next, 47 tons. 8 cwt. the next, and 42 tons 4 cwt. the next. What quantity was made in the four weeks ?

(124) A ship sails 195, 192, 187, 245, 243, 203 and 226 knots on seven successive days. Find the total distance sailed in miles if a knot be 2000 yards.

(125) A wine merchant has 23 pipes, 11 hogsheads, and 105 gallons of port in wood, and 115 dozens in bottle, each bottle measuring  $1\frac{1}{2}$  pints. What quantity had he altogether ?

(126) Find the sum of 5 ft. 6 in. + 3 ft. 9 in. + 11 yds. 5 in. + 7 ft. 9 in. + 18 ft. 10 in.

(127) Add together 103 miles, 103 furlongs, 103 poles, 103 yds. and 103 ft.

(128) Find the weight of nine trucks of lime :

No. 1. 8 tons 11 cwt.                      No. 2. 5 tons 7 cwt. 3 qrs.

No. 3. 9 tons 10 cwt. 1 qr.              No. 4. 7 tons 16 cwt. 2 qrs.

No. 5. 10 tons 5 cwt. 3 qrs.            No. 6. 8 tons 13 cwt. 1 qr.

No. 7. 5 tons 17 cwt. 1 qr.            No. 8. 11 tons 19 cwt. 3 qrs.

and No. 9. 8 tons 19 cwt. 3 qrs.

(129) A draper buys six pieces of linen measuring respectively  $36\frac{1}{4}$  yds, 81 yds. 3 qrs., 72 yds. 1 qr. 1 nl., 45 yds. 3 qrs. 3 nls.,  $28\frac{3}{4}$  yds., and 73 yds. 1 qr. 1 nl. : find the whole length.

(130) Add together 21 tons, 21 cwt., 21 qrs., 21 lbs., 21 oz., and 21 drams.

(131) A person walked 17 miles 313 yds. one day, 13 miles 213 yds. the next, and had still 18 miles 3 furlongs to go to finish his journey. What was the length of the journey ?

(132) Having sold 1305 lbs. of cheese, I have still 6 cwt. 27 lbs. left : how much had I at first ?

(133) Add together 31 qrs. 4 bus. 3 pks., 27 qrs. 5 bus., 13 qrs. 7 bus. 1 pk., 3 qrs. 3 bus. 3 pks., and 303 pks.

(134) How many acres, &c. are there in the sum of 47 roods, 47 poles, 47 yds., 47 ft., and 47 sq. in. ?

(135) Find the sum of  $2^{\circ} 31' 31''$ ,  $4^{\circ} 37' 32''$ ,  $18^{\circ} 13'$ ,  $17^{\circ} 3' 29''$  and  $11^{\circ} 13' 14''$ .

(136) Reduce the sum of 306 lbs., 306 oz., 306 dwts., and 306 grs. Troy to Avoirdupois weight.

(137) A merchant sold 1113 cub. yds. 19 ft. 1114 in. of timber at one sale, 1376 cub. yds. 1600 c. in. at another, and had 776 cub. yds. 20 ft. 1700 in. remaining. What quantity had he at first ?

(138) Find the whole cost of 4 trucks of pig-iron weighing respectively 13 tons 11 cwt., 8 tons 19 cwt., 17 tons 11 cwt. 3 qrs, and 16 tons 5 cwt. 1 qr., at 8s. 6d. per cwt.

(139) How many times is the sum of 11 lbs 8 oz., 15 lbs. 9 oz., 13 lbs. 6 oz., 8 lbs. 9 oz., and 17 lbs. 5 oz. contained in 5 cwt. 3 qrs. 19 lbs. 2 oz. ?

(140) Find the sum of the following weights : 11 lbs. 6 oz., 5 lbs. 9 oz., 7 lbs. 3 oz., 10 lbs. 14 oz., 9 lbs. 8 oz., and 7 lbs. 8 oz. of beef ; and find the cost at 10d. per lb.

(141) If 3 miles 3 fur. 113 yds. be taken three times from a certain distance and there yet remains 1 m. 5 fur. 210 yds., what was the original distance ?

(142) A cistern has 101 gallons 3 qts. 1 pt. remaining after 504 gallons 1 pint has been drawn from it. What quantity will it hold ?

(143) The bank at Melbourne received 103 oz., 7 lbs. 5 oz., 9 lbs.  $11\frac{1}{2}$  oz., 18 lbs.  $7\frac{1}{2}$  oz., 19 lbs. 6 oz., and 14 lbs. 11 oz. of gold dust in six days. What was the average value received per day at £3. 15s. per ounce?

(144) A basket of butter containing 75 lbs. and 138 half-pounds is found to be  $\frac{1}{2}$  oz. short of weight on each of the lbs., and  $\frac{1}{4}$  oz. on each of the half-pounds. Find the difference in money between selling the whole at its nominal and its true weight at 1s. 6d. per lb.

(145) A grocer buys 3 cwt., 703 lbs., 19 stones, and a quarter of a ton of tea at different times at an average rate of 2s. 2d. per lb. By selling the whole at 3s. 4d. per lb. what does he gain?

(146) A farm consists of the following fields : No. 1. 17 ac. 3 r. 13 p. ; No. 2. 17 ac. 1 r. 19 p. ; No. 3. 58 p. ; No. 4. 37 ac. 3 r. 37 p. ; No. 5. 98 ac. ; No. 6. 11 ac. 2 r. 27 p. ; No. 7. 113 p. ; and No. 8. 13 ac. 0 r. 9 p. What is the extent of the whole, and its value at an average of 3s. 1d. per pole?

(147) Add together 6 cwt. 1 qr., 19 cwt. 3 qrs., 11 cwt. 1 qr. 16 lbs., 5 qrs. 3 lbs., 19 cwt. 3 qrs. 14 lbs., 2 cwt. 7 lbs., and 3 qrs. 6 lbs.

(148) A ship sails  $2^{\circ} 31'$  one day,  $2^{\circ} 25'$  the next,  $2^{\circ} 33'$  the next, and  $2^{\circ} 20'$  on the fourth. What distance does it traverse, reckoning 60 miles to a degree in that latitude?

(149) Find the sum of 1100 sq. poles, 1100 sq. yds., 1100 sq. ft., and 1100 sq. in.

(150) Add together 3 qrs. 5 bus. 2 pks., 5 loads 2 qrs. 3 bus. 1 pk., 103 pecks, 716 bushels, and 11 qr. 0 bus. 3 pks.

# COMPOUND SUBTRACTION

(WEIGHTS AND MEASURES).

|   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
|---|-------------------------|--------------|-------------|--|-------------------------|--------------|-------------|---|-------------------------|--------------|--------------|--|-------------------------|---------------|---------------|
| <p>(1)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs.</td></tr> <tr><td style="text-align: right;">17 1 13</td></tr> <tr><td style="text-align: right;">6 2 19</td></tr> </table>                    | cwt. qrs. lbs.          | 17 1 13      | 6 2 19      | <p>(2)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs.</td></tr> <tr><td style="text-align: right;">19 13 3</td></tr> <tr><td style="text-align: right;">7 14 2</td></tr> </table>                     | tons cwt. qrs.          | 19 13 3      | 7 14 2      | <p>(3)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">7 13 12</td></tr> <tr><td style="text-align: right;">2 17 14</td></tr> </table>                      | qrs. lbs. oz.           | 7 13 12      | 2 17 14      | <p>(4)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">16 8 0</td></tr> <tr><td style="text-align: right;">3 12 9</td></tr> </table>                         | lbs. oz. drs.           | 16 8 0        | 3 12 9        |
| cwt. qrs. lbs.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 17 1 13   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 6 2 19  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 19 13 3   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 14 2  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 13 12   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 2 17 14   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| lbs. oz. drs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 16 8 0  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 3 12 9  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| <p>(5)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs.</td></tr> <tr><td style="text-align: right;">10 1 3 7</td></tr> <tr><td style="text-align: right;">5 7 0 19</td></tr> </table>            | tons cwt. qrs. lbs.     | 10 1 3 7     | 5 7 0 19    | <p>(6)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs.</td></tr> <tr><td style="text-align: right;">11 5 1 3</td></tr> <tr><td style="text-align: right;">5 12 2 17</td></tr> </table>            | tons cwt. qrs. lbs.     | 11 5 1 3     | 5 12 2 17   | <p>(7)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">24 0 24 12</td></tr> <tr><td style="text-align: right;">7 2 27 14</td></tr> </table>            | cwt. qrs. lbs. oz.      | 24 0 24 12   | 7 2 27 14    | <p>(8)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">17 0 3 3</td></tr> <tr><td style="text-align: right;">5 13 3 14</td></tr> </table>               | qrs. lbs. oz. drs.      | 17 0 3 3      | 5 13 3 14     |
| tons cwt. qrs. lbs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 10 1 3 7  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 5 7 0 19  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs. lbs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 11 5 1 3  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 5 12 2 17   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 24 0 24 12  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 2 27 14   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| qrs. lbs. oz. drs.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 17 0 3 3  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 5 13 3 14   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| <p>(9)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs.</td></tr> <tr><td style="text-align: right;">101 11 1 5</td></tr> <tr><td style="text-align: right;">90 15 2 17</td></tr> </table>        | tons cwt. qrs. lbs.     | 101 11 1 5   | 90 15 2 17  | <p>(10)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">176 3 13 13</td></tr> <tr><td style="text-align: right;">76 3 13 15</td></tr> </table>        | cwt. qrs. lbs. oz.      | 176 3 13 13  | 76 3 13 15  | <p>(11)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">10 0 0 0</td></tr> <tr><td style="text-align: right;">3 0 2 7</td></tr> </table>               | cwt. qrs. lbs. oz.      | 10 0 0 0     | 3 0 2 7      | <p>(12)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">59 11 3 1</td></tr> <tr><td style="text-align: right;">7 17 11 2</td></tr> </table>             | qrs. lbs. oz. drs.      | 59 11 3 1     | 7 17 11 2     |
| tons cwt. qrs. lbs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 101 11 1 5  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 90 15 2 17  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 176 3 13 13   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 76 3 13 15  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 10 0 0 0  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 3 0 2 7   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| qrs. lbs. oz. drs.  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 59 11 3 1   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 17 11 2   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| <p>(13)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">200 0 0 0 0</td></tr> <tr><td style="text-align: right;">17 3 3 27 5</td></tr> </table> | tons cwt. qrs. lbs. oz. | 200 0 0 0 0  | 17 3 3 27 5 | <p>(14)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">5 6 0 0 1</td></tr> <tr><td style="text-align: right;">1 19 3 7 7</td></tr> </table>     | tons cwt. qrs. lbs. oz. | 5 6 0 0 1    | 1 19 3 7 7  | <p>(15)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">7 14 1 3 3</td></tr> <tr><td style="text-align: right;">3 17 3 27 1</td></tr> </table>    | tons cwt. qrs. lbs. oz. | 7 14 1 3 3   | 3 17 3 27 1  | <p>(16)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">20 1 2 3 6</td></tr> <tr><td style="text-align: right;">16 3 13 14</td></tr> </table>      | tons cwt. qrs. lbs. oz. | 20 1 2 3 6    | 16 3 13 14    |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 200 0 0 0 0   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 17 3 3 27 5   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 5 6 0 0 1   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 1 19 3 7 7  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 14 1 3 3  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 3 17 3 27 1   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 20 1 2 3 6  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 16 3 13 14  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| <p>(17)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">1 0 0 0 0</td></tr> <tr><td style="text-align: right;">2 17 3 13</td></tr> </table>     | cwt. qrs. lbs. oz. drs. | 1 0 0 0 0    | 2 17 3 13   | <p>(18)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">15 1 23 6 11</td></tr> <tr><td style="text-align: right;">7 2 25 9 15</td></tr> </table> | cwt. qrs. lbs. oz. drs. | 15 1 23 6 11 | 7 2 25 9 15 | <p>(19)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">103 0 12 0 3</td></tr> <tr><td style="text-align: right;">71 3 19 6 14</td></tr> </table> | cwt. qrs. lbs. oz. drs. | 103 0 12 0 3 | 71 3 19 6 14 | <p>(20)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">78 2 22 14 9</td></tr> <tr><td style="text-align: right;">39 2 24 13 11</td></tr> </table> | cwt. qrs. lbs. oz. drs. | 78 2 22 14 9  | 39 2 24 13 11 |
| cwt. qrs. lbs. oz. drs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 1 0 0 0 0   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 2 17 3 13   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz. drs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 15 1 23 6 11  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 2 25 9 15   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz. drs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 103 0 12 0 3  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 71 3 19 6 14  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz. drs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 78 2 22 14 9  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 39 2 24 13 11   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| <p>(21)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">700 3 0 11 5</td></tr> <tr><td style="text-align: right;">37 0 1 5 9</td></tr> </table> | tons cwt. qrs. lbs. oz. | 700 3 0 11 5 | 37 0 1 5 9  | <p>(22)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">93 12 1 0 7</td></tr> <tr><td style="text-align: right;">7 17 1 15 9</td></tr> </table>  | tons cwt. qrs. lbs. oz. | 93 12 1 0 7  | 7 17 1 15 9 | <p>(23)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">tons cwt. qrs. lbs. oz.</td></tr> <tr><td style="text-align: right;">33 1 2 11 4</td></tr> <tr><td style="text-align: right;">17 2 2 11 9</td></tr> </table>   | tons cwt. qrs. lbs. oz. | 33 1 2 11 4  | 17 2 2 11 9  | <p>(24)</p> <table style="margin: auto;"> <tr><td style="text-align: right;">cwt. qrs. lbs. oz. drs.</td></tr> <tr><td style="text-align: right;">100 0 25 3 11</td></tr> <tr><td style="text-align: right;">18 3 26 9 12</td></tr> </table> | cwt. qrs. lbs. oz. drs. | 100 0 25 3 11 | 18 3 26 9 12  |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 700 3 0 11 5  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 37 0 1 5 9  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 93 12 1 0 7   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 7 17 1 15 9   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| tons cwt. qrs. lbs. oz.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 33 1 2 11 4   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 17 2 2 11 9   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| cwt. qrs. lbs. oz. drs.   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 100 0 25 3 11   |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |
| 18 3 26 9 12  |                         |              |             |  |                         |              |             |   |                         |              |              |  |                         |               |               |

|                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| (25)                | (26)                | (27)                | (28)                |
| lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. |
| 5 0 0 0             | 3 1 7 6             | 16 3 15 20          | 9 10 7 13           |
| 3 2 16 20           | 2 11 9 17           | 7 9 16 23           | 2 11 14 17          |
| (29)                | (30)                | (31)                | (32)                |
| lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. |
| 33 6 0 8            | 8 0 3 4             | 25 4 0 13           | 173 2 0 3           |
| 4 5 8 18            | 7 1 5 8             | 7 10 10 17          | 16 7 18 19          |
| (33)                | (34)                | (35)                | (36)                |
| lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. |
| 30 7 10 1           | 17 5 0 8            | 20 0 0 3            | 83 3 16 12          |
| 4 9 17 8            | 9 7 16 21           | 7 15 16             | 4 7 18 18           |
| (37)                | (38)                | (39)                | (40)                |
| lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. | lbs. oz. dwts. grs. |
| 13 1 0 5            | 10 0 0 0            | 18 2 13 11          | 15 3 6 4            |
| 7 4 11 17           | 3 1 19 13           | 7 3 14 15           | 7 5 0 19            |
| (41)                | (42)                | (43)                | (44)                |
| lbs. oz. drs. sc.   | lb. oz. drs. sc.    | lbs. oz. drs. sc.   | lbs. oz. drs. sc.   |
| 11 1 2 2            | 1 0 0 0             | 93 4 4 1            | 5 1 0 0             |
| 2 1 3 2             | 3 4 1               | 12 5 3 2            | 3 7 7 2             |
| (45)                | (46)                | (47)                | (48)                |
| oz. drs. sc. grs.   | oz. drs. sc. grs.   | oz. drs. sc. grs.   | oz. drs. sc. grs.   |
| 11 3 0 17           | 9 4 1 3             | 9 0 1 0             | 103 3 1 13          |
| 5 1 19              | 3 6 2 17            | 2 1 0 1             | 7 5 2 17            |
| (49)                | (50)                | (51)                | (52)                |
| oz. drs. sc. grs.   | oz. drs. sc. grs.   | lbs. oz. drs. sc.   | lbs. oz. drs. sc.   |
| 1000 0 0 0          | 14 2 0 14           | 27 11 5 0           | 5 0 3 1             |
| 7 3 2 18            | 2 3 1 19            | 6 11 7 1            | 2 7 5 2             |
| (53)                | (54)                | (55)                | (56)                |
| m. fur. po.         | m. fur. po.         | fur. po. yds.       | fur. po. yds.       |
| 100 5 13            | 100 0 0             | 17 1 1              | 10 1 5              |
| 13 1 37             | 3 6 13              | 16 6 2              | 3 2 5½              |

COMPOUND SUBTRACTION (WEIGHTS AND MEASURES). 125

|         |         |      |      |         |         |      |      |         |         |      |      |         |         |      |      |
|---------|---------|------|------|---------|---------|------|------|---------|---------|------|------|---------|---------|------|------|
| (57)    |         |      |      | (58)    |         |      |      | (59)    |         |      |      | (60)    |         |      |      |
| yds.    | ft.     | in.  |      | yds.    | ft.     | in.  |      | yds.    | ft.     | in.  |      | yds.    | ft.     | in.  |      |
| 30      | 2       | 6    |      | 100     | 1       | 3    |      | 11      | 0       | 6    |      | 106     | 2       | 2    |      |
| 7       | 1       | 9    |      | 29      | 2       | 9    |      | 5       | 0       | 10   |      | 105     | 2       | 5    |      |
| (61)    |         |      |      | (62)    |         |      |      | (63)    |         |      |      | (64)    |         |      |      |
| m.      | fur.    | po.  | yds. | m.      | fur.    | po.  | yds. | m.      | fur.    | po.  | yds. | m.      | fur.    | po.  | yds. |
| 10      | 0       | 0    | 0    | 17      | 3       | 21   | 1    | 103     | 6       | 38   | 2    | 1000    | 0       | 0    | 0    |
| 7       | 3       | 13   | 4    | 3       | 7       | 19   | 5    | 27      | 7       | 39   | 3    | 111     | 3       | 17   | 3½   |
| (65)    |         |      |      | (66)    |         |      |      | (67)    |         |      |      | (68)    |         |      |      |
| fur.    | po.     | yds. | ft.  | fur.    | po.     | yds. | ft.  | fur.    | po.     | yds. | ft.  | fur.    | po.     | yds. | ft.  |
| 19      | 13      | 3    | 1    | 6       | 0       | 2    | 1    | 20      | 1       | 1    | 1    | 706     | 3       | 2    | 0    |
| 7       | 19      | 4    | 2    | 4       | 27      | 3    | 2    | 19      | 1       | 2    |      | 17      | 13      | 2    | 2    |
| (69)    |         |      |      | (70)    |         |      |      | (71)    |         |      |      | (72)    |         |      |      |
| m.      | fur.    | po.  | yds. | po.     | yds.    | ft.  | in.  | po.     | yds.    | ft.  | in.  | po.     | yds.    | ft.  | in.  |
| 1       | 1       | 2    | 3    | 90      | 3       | 2    | 5    | 18      | 0       | 0    | 4    | 14      | 0       | 2    | 6    |
| 3       | 1       | 4    |      | 2       | 4       | 1    | 7    | 3       | 5       | 0    | 7    | 1       | 2       | 9    |      |
| (73)    |         |      |      | (74)    |         |      |      | (75)    |         |      |      | (76)    |         |      |      |
| m.      | fur.    | po.  | yds. | fur.    | po.     | yds. | ft.  | fur.    | po.     | yds. | ft.  | po.     | yds.    | ft.  | in.  |
| 70      | 3       | 11   | 2    | 5       | 0       | 0    | 1    | 109     | 1       | 2    | 1    | 10      | 1       | 1    | 11   |
| 7       | 3       | 11   | 3    | 3       | 11      | 5    | 2    | 17      | 3       | 0    | 2    | 6       | 3       | 2    | 9    |
| (77)    |         |      |      | (78)    |         |      |      | (79)    |         |      |      | (80)    |         |      |      |
| ac.     | r.      | po.  |      | ac.     | r.      | po.  |      | ac.     | r.      | po.  |      | ac.     | r.      | po.  |      |
| 35      | 3       | 1    |      | 100     | 0       | 20   |      | 3013    | 2       | 23½  |      | 3       | 2       | 0¼   |      |
| 7       | 3       | 20   |      | 70      | 2       | 31   |      | 1107    | 3       | 17   |      | 2       | 1       | 7    |      |
| (81)    |         |      |      | (82)    |         |      |      | (83)    |         |      |      | (84)    |         |      |      |
| sq.yds. | ft.     | in.  |      | sq.yds. | ft.     | in.  |      | sq.yds. | ft.     | in.  |      | sq.yds. | ft.     | in.  |      |
| 13      | 0       | 17   |      | 110     | 2       | 61   |      | 130     | 1       | 5    |      | 100     | 0       | 30   |      |
| 7       | 4       | 119  |      | 76      | 6       | 136  |      | 75      | 7       | 126  |      | 4       | 5       | 76   |      |
| (85)    |         |      |      | (86)    |         |      |      | (87)    |         |      |      | (88)    |         |      |      |
| p.      | sq.yds. | ft.  | in.  | p.      | sq.yds. | ft.  | in.  | p.      | sq.yds. | ft.  | in.  | p.      | sq.yds. | ft.  | in.  |
| 13      | 10      | 7    | 13   | 20      | 20      | 2    | 21   | 3       | 0       | 0    | 0    | 40      | 26      | 2    | 6    |
| 7       | 9       | 8    | 96   | 6       | 21      | 5    | 26   | 1       | 12      | 3    | 7    | 13      | 29      | 7    | 113  |

|       |             |             |       |             |             |                 |       |             |             |      |       |        |             |      |
|-------|-------------|-------------|-------|-------------|-------------|-----------------|-------|-------------|-------------|------|-------|--------|-------------|------|
| (89)  |             |             | (90)  |             |             |                 | (91)  |             |             |      | (92)  |        |             |      |
| ac.   | r.          | po. yds.    | ac.   | r.          | po.         | yds.            | ac.   | r.          | po.         | yds. | ac.   | r.     | po.         | yds. |
| 1031  | 1           | 3 20        | 209   | 1           | 13          | 6               | 111   | 2           | 0           | 13   | 201   | 2      | 0           | 3    |
| 117   | 1           | 3 29        | 17    | 3           | 19          | 7 $\frac{1}{2}$ | 27    | 2           | 36          | 16   | 72    | 0      | 7           | 11   |
| (93)  |             |             | (94)  |             |             |                 | (95)  |             |             |      | (96)  |        |             |      |
| r.    | po.         | sq.yds. ft. | r.    | po.         | sq.yds. ft. |                 | r.    | po.         | sq.yds. ft. |      | r.    | p.     | sq.yds. ft. |      |
| 32    | 16          | 16 7        | 2     | 0           | 0 0         |                 | 5     | 0           | 13 6        |      | 60    | 13     | 19 5        |      |
| 11    | 32          | 16 8        | 1     | 30          | 1           |                 | 2     | 2           | 26 7        |      | 12    | 18     | 22 7        |      |
| (97)  |             |             | (98)  |             |             |                 | (99)  |             |             |      | (100) |        |             |      |
| sq.m. | ac.         | r. po.      | sq.m. | ac.         | r. po.      |                 | sq.m. | ac.         | r. po.      |      | ac.   | r. po. | yds.        |      |
| 131   | 30          | 2 36        | 60    | 0           | 0 0         |                 | 114   | 2           | 1 15        |      | 106   | 3      | 20 11       |      |
| 7     | 119         | 3 37        | 2     | 12          | 2 13        |                 | 76    | 11          | 2 18        |      | 71    | 2      | 15 29       |      |
| (101) |             |             | (102) |             |             |                 | (103) |             |             |      | (104) |        |             |      |
| po.   | sq.yds. ft. | in.         | po.   | sq.yds. ft. | in.         |                 | po.   | sq.yds. ft. | in.         |      | ac.   | r.     | po.         | yds. |
| 3     | 0           | 0 0         | 6     | 13          | 3 60        |                 | 50    | 0           | 2 18        |      | 10    | 0      | 3 30        |      |
| 1     | 30          | 5 19        | 4     | 26          | 5 76        |                 | 16    | 28          | 5 113       |      | 1     | 1      | 33 17       |      |
| (105) |             |             | (106) |             |             |                 | (107) |             |             |      | (108) |        |             |      |
| yrs.  | mo.         | wks.        | yrs.  | mo.         | wks.        |                 | mo.   | wks.        | dys.        |      | mo.   | wks.   | dys.        |      |
| 30    | 0           | 0           | 111   | 3           | 2           |                 | 19    | 2           | 5           |      | 110   | 2      | 2           |      |
| 17    | 2           | 3           | 76    | 7           | 3           |                 | 7     | 3           | 6           |      | 7     | 3      | 4           |      |
| (109) |             |             | (110) |             |             |                 | (111) |             |             |      | (112) |        |             |      |
| wks.  | dys.        | hrs.        | wks.  | dys.        | hrs.        |                 | wks.  | dys.        | hrs.        |      | dys.  | hrs.   | min.        |      |
| 76    | 0           | 3           | 11    | 3           | 15          |                 | 1093  | 2           | 12          |      | 90    | 1      | 35          |      |
| 7     | 6           | 19          | 6     | 4           | 16          |                 | 764   | 3           | 17          |      | 17    | 13     | 56          |      |
| (113) |             |             | (114) |             |             |                 | (115) |             |             |      | (116) |        |             |      |
| dys.  | hrs.        | min.        | hrs.  | min.        | sec.        |                 | hrs.  | min.        | sec.        |      | hrs.  | min.   | sec.        |      |
| 100   | 2           | 11          | 20    | 13          | 13          |                 | 110   | 5           | 30          |      | 107   | 31     | 17          |      |
| 73    | 12          | 19          | 16    | 13          | 17          |                 | 36    | 36          | 36          |      | 26    | 26     | 29          |      |
| (117) |             |             | (118) |             |             |                 | (119) |             |             |      | (120) |        |             |      |
| yrs.  | wks.        | dys.        | yrs.  | wks.        | dys.        |                 | yrs.  | dys.        | hrs.        |      | yrs.  | dys.   | hrs.        |      |
| 30    | 15          | 4           | 193   | 40          | 4           |                 | 10    | 112         | 14          |      | 109   | 100    | 13          |      |
| 29    | 26          | 5           | 116   | 29          | 6           |                 | 4     | 196         | 3           |      | 11    | 119    | 21          |      |

COMPOUND SUBTRACTION (WEIGHTS AND MEASURES). 127

|                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| (121)               | (122)               | (123)               | (124)               |
| wks. dys. hrs. min. | wks. dys. hrs. min. | wks. dys. hrs. min. | wks. dys. hrs. min. |
| 10 1 2 12           | 92 3 13 4           | 100 0 0 0           | 129 3 20 29         |
| 4 3 18 34           | 37 5 17 34          | 3 3 3 33            | 39 6 21 13          |

|                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| (125)               | (126)               | (127)               | (128)               |
| dys. hrs. min. sec. | dys. hrs. min. sec. | yrs. wks. dys. hrs. | yrs. dys. hrs. min. |
| 17 0 13 30          | 11 0 2 10           | 19 13 3 20          | 90 2 1 4            |
| 6 13 30 45          | 2 4 13 27           | 6 29 4 22           | 7 3 16 38           |

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| (129)          | (130)          | (131)          | (132)          |
| lds. qrs. bus. | lds. qrs. bus. | lds. qrs. bus. | lds. qrs. bus. |
| 80 2 4         | 50 0 0         | 18 2 5         | 1131 2 2       |
| 7 4 7          | 13 3 4         | 9 3 6          | 127 3 6        |

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| (133)          | (134)          | (135)          | (136)          |
| qrs. bus. pks. | qrs. bus. pks. | qrs. bus. pks. | qrs. bus. pks. |
| 100 0 0        | 70 1 2         | 1000 0 0       | 90 3 2         |
| 33 1 3         | 16 3 3         | 772 2 1        | 40 3 3         |

|                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| (137)           | (138)           | (139)           | (140)           |
| gals. qts. pts. | gals. qts. pts. | gals. qts. pts. | gals. qts. pts. |
| 10 0 0          | 19 1 1          | 130 1 0         | 17 0 0          |
| 3 1 1           | 3 2 0           | 4 1 1           | 2 1 0           |

|                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| (141)               | (142)               | (143)               | (144)               |
| lds. qrs. bus. pks. | lds. qrs. bus. pks. | lds. qrs. bus. pks. | lds. qrs. bus. pks. |
| 7 0 3 1             | 1216 3 0 0          | 19 3 3 2            | 141 0 1 1           |
| 2 3 7 3             | 74 4 6 2            | 7 3 3 3             | 7 3 0 2             |

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| (145)                | (146)                | (147)                | (148)                |
| bus. pks. gals. qts. | bus. pks. gals. qts. | pks. gals. qts. pts. | pks. gals. qts. pts. |
| 1110 2 1 2           | 21 1 0 0             | 14 1 0 0             | 12 0 0 0             |
| 36 3 1 3             | 17 2 1 2             | 3 1 2 1              | 3 0 1 1              |

|                 |                 |                     |                      |
|-----------------|-----------------|---------------------|----------------------|
| (149)           | (150)           | (151)               | (152)                |
| gals. qts. pts. | gals. qts. pts. | lds. qrs. bus. pks. | qrs. bus. pks. gals. |
| 32 1 0          | 1010 1 0        | 730 0 3 0           | 102 4 3 0            |
| 13 1 1          | 101 1 1         | 29 4 5 2            | 73 0 3 1             |

|                       |                      |                       |                        |
|-----------------------|----------------------|-----------------------|------------------------|
| (153)                 | (154)                | (155)                 | (156)                  |
| c. yds. ft. in.       | c. yds. ft. in.      | c. yds. ft. in.       | c. yds. ft. in.        |
| 10 0 0                | 210 20 111           | 195 0 21              | 1001 2 902             |
| 2 13 139              | 127 24 716           | 76 13 181             | 123 17 1000            |
| (157)                 | (158)                | (159)                 | (160)                  |
| c. yds. ft. in.       | c. yds. ft. in.      | c. yds. ft. in.       | c. yds. ft. in.        |
| 312 0 131             | 9091 20 1700         | 36 0 31               | 500 0 0                |
| 57 17 736             | 172 20 1721          | 14 7 131              | 3 21 71                |
| (161)                 | (162)                | (163)                 | (164)                  |
| c. yds. ft. in.       | c. yds. ft. in.      | c. yds. ft. in.       | c. yds. ft. in.        |
| 704 3 12              | 116 13 20            | 404 1 1               | 2027 14 1405           |
| 75 19 196             | 30 26 711            | 37 19 19              | 136 19 966             |
| (165)                 | (166)                | (167)                 | (168)                  |
| yds. qrs. nls.        | qrs. nls. in.        | yds. qrs. nls.        | qrs. nls. in.          |
| 12 0 0                | 7 1 0                | 102 3 $1\frac{1}{2}$  | 200 2 $0\frac{1}{4}$   |
| 3 3 1                 | 3 3 2                | 27 3 2                | 71 2 $1\frac{1}{2}$    |
| (169)                 | (170)                | (171)                 | (172)                  |
| E. ells qrs. nls.     | E. ells qrs. nls.    | yds. qrs. nls.        | yds. qrs. nls.         |
| 100 1 0               | 1200 3 2             | 16 0 0                | 401 0 2                |
| 72 3 2                | 107 4 1              | 3 2 3                 | 36 2 3                 |
| (173)                 | (174)                | (175)                 | (176)                  |
| yds. qrs. nls. in.    | yds. qrs. nls. in.   | yds. qrs. nls. in.    | yds. qrs. nls. in.     |
| 40 3 0 0              | 17 2 2 1             | 80 1 1 0              | 530 2 2 0              |
| 11 3 0 $1\frac{1}{2}$ | 2 0 3 $1\frac{1}{4}$ | 66 2 2 $1\frac{3}{4}$ | 131 2 3 $0\frac{3}{4}$ |
| (177)                 | (178)                | (179)                 | (180)                  |
| tons cwts. qrs. lbs.  | cwts. lbs. oz. drs.  | cwts. lbs. oz. drs.   | tons cwts. qrs. lbs.   |
| 200 13 2 11           | 70 15 3 10           | 3 0 0 0               | 58 2 1 13              |
| 76 19 3 14            | 14 21 7 12           | 1 5 7 7               | 1 2 27                 |
| (181)                 | (182)                | (183)                 | (184)                  |
| ac. sq. yds. ft. in.  | ac. sq. yds. ft. in. | m. yds. ft. in.       | m. yds. ft. in.        |
| 1301 130 6 4          | 3 1409 2 131         | 20 171 2 5            | 1 0 0 0                |
| 117 906 7 98          | 1 4501 5 141         | 7 318 2 11            | 729 1 1                |

COMPOUND SUBTRACTION (WEIGHTS AND MEASURES). 129

| (185) |      |      |     | (186) |      |      |     | (187) |         |     |     | (188) |    |     |         |
|-------|------|------|-----|-------|------|------|-----|-------|---------|-----|-----|-------|----|-----|---------|
| m.    | fur. | yds. | ft. | m.    | fur. | yds. | ft. | ac.   | sq.yds. | ft. | in. | ac.   | r. | po. | sq.yds. |
| 60    | 3    | 20   | 0   | 115   | 0    | 101  | 1   | 50    | 110     | 2   | 72  | 19    | 0  | 3   | 20      |
| 30    | 6    | 210  | 2   | 7     | 2    | 200  | 2   | 7     | 1960    | 7   | 38  | 6     | 1  | 36  | 28      |

| (189) |      |       | (190) |      |      | (191) |       |       | (192) |      |     |
|-------|------|-------|-------|------|------|-------|-------|-------|-------|------|-----|
| qrs.  | bus. | pkts. | gals. | qts. | pts. | bus.  | pkts. | gals. | po.   | yds. | ft. |
| 171   | 0    | 1     | 20    | 3    | 0    | 90    | 1     | 0     | 25    | 0    | 0   |
| 17    | 3    | 2     | 6     | 1    | 1    | 37    | 1     | 1     | 7     | 5    | 1   |

| (193)   |     |     | (194)  |     |     | (195)   |     |     | (196)  |     |     |
|---------|-----|-----|--------|-----|-----|---------|-----|-----|--------|-----|-----|
| sq.yds. | ft. | in. | c.yds. | ft. | in. | sq.yds. | ft. | in. | c.yds. | ft. | in. |
| 700     | 6   | 111 | 700    | 3   | 500 | 98      | 3   | 11  | 9001   | 1   | 27  |
| 136     | 7   | 112 | 74     | 17  | 694 | 3       | 4   | 37  | 105    | 21  | 376 |

| (197) |     |     | (198) |      |      | (199) |      |                 | (200) |      |      |
|-------|-----|-----|-------|------|------|-------|------|-----------------|-------|------|------|
| yds.  | ft. | in. | yds.  | qrs. | nls. | qrs.  | nls. | in.             | yrs.  | dys. | hrs. |
| 20    | 2   | 1   | 31    | 1    | 1    | 3     | 0    | 0 $\frac{1}{4}$ | 20    | 11   | 5    |
| 7     | 0   | 3   | 16    | 2    | 3    | 1     | 2    | 1 $\frac{3}{4}$ | 17    | 113  | 16   |

(201) From 1 ton take the sum of 375 lbs. + 209 oz. + 3 cwt. 1 qr.

(202) Bought 110 yards of silk and sold 95 yards 3 qrs. 1 n. 1 in. : what length remains ?

(203) From 375 loads of barley 909 qrs. 3 bus. 2 pkts. are sold : what is left ?

(204) A train leaves King's Cross at 11.10 a.m., and arrives at Manchester at 4.3 p.m. : in what time does it perform the distance ?

(205) The University Boat race began at 2 h. 12 m. 11 sec., and ended at 2 h. 31 m. 5 $\frac{1}{2}$  sec. : what was the duration of the race ?

(206) From 3 acres take 1 ac. 0 r. 0 p. 25 yards.

(207) A piece of common land measuring 3300 $\frac{1}{4}$  acres has 1215 ac. 27 p. 1 $\frac{1}{2}$  yards waste, and the remainder grass land. How much grass land is there ?

(208) From 2 $\frac{3}{4}$  tons take the sum of 2 $\frac{3}{4}$  cwt. + 2 $\frac{3}{4}$  qrs. + 2 $\frac{3}{4}$  lbs.

(209) A ship going on a voyage of 1313 leagues has already accomplished 1327 $\frac{1}{2}$  miles. How far has she still to go ?

(210) The lead line gives at one cast 25 fathoms of water, and at the next  $17\frac{3}{4}$  fathoms. Find the difference of depth in yards, &c.

(211) Looking at my watch I find it shows 23 minutes past 8 in the morning. What time will have elapsed if on looking again I find it indicates 13 minutes past 2 in the afternoon ?

(212) From 113 tons 11 cwt. 3 qrs. 5 lbs. take 112 tons 19 cwt. 1 qr. 27 lbs.

(213) Reduce the difference of 3 miles 5 fur. and 2 miles 20 p. 3 yds. to yards.

(214) How many times is the difference of 3 lbs. 5 oz. 1 dwt. and 2 lbs. 11 oz. 11 dwts. contained in 33 lbs. ?

(215) Bought 3 hams, each weighing  $15\frac{1}{2}$  lbs., and sold 1 qr. 12 lbs. : find the value of the remainder at  $7\frac{1}{2}d.$  per lb.

(216) *A* works  $9\frac{1}{2}$  days of 8 hours each, *B*  $8\frac{1}{2}$  days of 9 hours each : how much does one earn more than the other at  $10d.$  an hour ?

(217) Two steamboats make the same trip : one starts at 5.15 a.m. and arrives at 7.36 p.m. ; the other starts at 9.26 a.m. and reaches its destination at 11.44 p.m. How much time is saved in going by the latter ?

(218) Find the value of 3 ac. 3 r. 31 p. + 5 ac. 21 p. - 4 ac. 1 r. 27 p.

(219) A person having an estate of 940 acres sells 153 ac. 1 r. 19 p. for £2191. 14. 10. What would he realise altogether if he sold the remainder at the rate £1. 11. 6 per pole ?

(220) If 13 cwt. 1 qr. 12 lbs. 8 oz. added to a certain weight make up 1 ton 10 cwt., what is that weight ?

(221) A field of 31 ac. 2 r. 11 p. 3 yds. is 12 ac. 15 p. 4 yards larger than another : what is the size of the latter ?

(222) From the sum of 202 lbs. + 21 cwt. 3 qrs. 17 lbs. take 1 ton 1 cwt.  $13\frac{1}{2}$  lbs.

(223) What remains after taking 3 lbs. 5 oz. 13 dwts. 11 grs. from 6 lbs. 9 grains ?

(224) From 4 acres take one hundred and fifty thousand square inches.

COMPOUND SUBTRACTION (WEIGHTS AND MEASURES). 131

(225) Add 2 cwt. 1 qr. 3 lbs. to the difference of 3 tons 5 cwt. and 7500 lbs.

(226) Subtract 1 m. 3 fur.  $11\frac{1}{2}$  poles from 4968 yards.

(227) Express in miles, &c. the difference of the heights of Mt Everest 29002 ft. and Mont Blanc 15732 ft.

(228) Twenty tons of Esparto grass is placed upon two railway trucks; one contains 9 tons 3 qrs. 15 lbs.: what weight does the other sustain?

(229) From ten cubic yards take 26000 cub. inches.

(230) From 1 cwt. 1 qr. 1 lb. of cheese take 3 qrs. 11 lbs., and find the value of the remainder at 9*d.* per lb.

(231) A grocer sells 25 lbs. 3 oz. of tea on Monday, 18 lbs. 11 oz. on Tuesday, 19 lbs. 6 oz. on Wednesday, 33 lbs. 14 oz. on Thursday, 115 lbs. 10 oz. on Friday, and 98 lbs. 6 oz. on Saturday, out of a stock of  $5\frac{1}{4}$  cwt. What has he remaining, and what is its value at 3*d.* per oz.?

(232) Out of a piece of silver weighing 7 lbs. 6 oz. two cups were made, one weighing  $3\frac{1}{4}$  lbs., the other  $2\frac{3}{4}$  lbs.: find the value of the remainder at 5*s.* 10*d.* per ounce.

(233) From 11 ac. 1 r. 11 p. take 32140 sq. yards.

(234) A workman goes to work at 6.30 a.m. each morning and leaves at 8.15 p.m. What does he earn in four days if he be paid 9*d.* per hour till 6 p.m. and after that time 1*s.* per hour, but loses  $1\frac{1}{2}$  hrs. of working time each day for breakfast and dinner?

(235) Take 19 hrs. 12 min. 15 sec. from  $21\frac{1}{2}$  hours.

(236) A goldsmith buys 3 lbs. 4 oz. 5 dwts. and 1 lb.  $3\frac{3}{4}$  oz. of gold, and uses 3 lbs. 10 oz. 11 grains. What has he left?

(237) From  $1\frac{1}{4}$  lbs. Apoth. take 5 oz. 7 drs. 2 sc. 15 grains.

(238) Bought a hogshead of sugar weighing 11 cwt. 1 qr. 9 lbs., and sold 7 cwt. 14 lbs. Find the value of the remainder at 3*d.* per lb.

(239) A person going on a journey of 120 miles travels 110 m. 3 fur. 117 yds. by train and walks the remainder. How far does he walk?

(240) Three cottagers rent  $5\frac{1}{2}$  acres of garden land; one has  $1\frac{1}{4}$  ac. and another 7216 sq. yards. How much has the third?

(241) Two hundred cubic yards of soil have to be removed: what remains after removing 111 cub. yds. 17 cub. ft.?

(242) After drawing 39 quarts and three half-pints from a barrel of ale, what remains?

(243) From  $1\frac{1}{2}$  yrs. take 44 wks. 13 hrs. 30 min.

(244) From a piece of linen measuring 30 yds. 1 qr. there is cut off 24 yds. 3 qrs. 1 n. 2 in.: what is the length of the remnant?

(245) Take 1000 ounces from 100 cwt.

(246) Find the cost of the difference between  $11\frac{3}{4}$  lbs. and 3 lbs. 5 oz. Troy, at £3. 17.  $10\frac{1}{2}$  per ounce.

(247) Express in Troy weight the difference of  $1\frac{1}{2}$  cwt. and 2120 ounces Avoirdupois.

(248) What added to 4 ac. 3 r. 21 p. 19 yds. 1 ft. will give a total of  $12\frac{3}{4}$  acres?

(249) At a certain market 903 qrs. 5 bus. remained unsold out of 33103 pecks brought to market. What quantity was sold?

(250) A merchant received on Monday 111 cwt. 3 qrs. 14 lbs. of rice and sold 3 tons 13 cwt. 19 lbs., on Wednesday received  $4\frac{1}{4}$  tons and sold 98 cwt. 11 lbs., and on Saturday received 8 tons 11 cwt. 3 qrs. 15 lbs. and sold 18 tons 19 cwt. 25 lbs. He had 25 tons 14 cwt. 1 qr. in stock at the beginning of the week: what had he at the close?

# COMPOUND MULTIPLICATION

(WEIGHTS AND MEASURES).

- (1) 3 tons 5 cwt. 3 qrs. 19 lbs. 8 oz.  $\times$  2
- (2) " " " "  $\times$  4
- (3) " " " "  $\times$  6
- (4) " " " "  $\times$  8
- (5) " " " "  $\times$  10
- (6) " " " "  $\times$  12
- (7) 11 cwt. 3 qrs. 14 lbs. 5 oz. 6 drs.  $\times$  3
- (8) " " " "  $\times$  5
- (9) " " " "  $\times$  7
- (10) " " " "  $\times$  9
- (11) " " " "  $\times$  11
- (12) 5 lbs. 3 oz. 11 dwts. 9 grs.  $\times$  2
- (13) " " " "  $\times$  4
- (14) " " " "  $\times$  6
- (15) " " " "  $\times$  8
- (16) " " " "  $\times$  10
- (17) " " " "  $\times$  12
- (18) 16 lbs. 3 oz. 7 drs. 2 sc. 11 grs.  $\times$  3
- (19) " " " "  $\times$  5
- (20) " " " "  $\times$  7
- (21) " " " "  $\times$  9
- (22) " " " "  $\times$  11
- (23) 31 yds. 2 ft.  $10\frac{1}{2}$  in.  $\times$  2
- (24) " " " "  $\times$  4
- (25) " " " "  $\times$  6
- (26) " " " "  $\times$  8
- (27) " " " "  $\times$  10
- (28) " " " "  $\times$  12

## EXAMPLES IN ARITHMETIC.

- (29) 5 m. 3 fur. 14 po. 2 yds.  $\times$  3  
 (30) " "  $\times$  5  
 (31) " "  $\times$  7  
 (32) " "  $\times$  9  
 (33) " "  $\times$  11  
 (34) 21 ac. 3 r.  $21\frac{3}{4}$  po.  $\times$  2  
 (35) " "  $\times$  4  
 (36) " "  $\times$  6  
 (37) " "  $\times$  8  
 (38) " "  $\times$  10  
 (39) " "  $\times$  12  
 (40) 7 ac. 2 r. 5 po. 11 yds. 4 ft.  $\times$  3  
 (41) " "  $\times$  5  
 (42) " "  $\times$  7  
 (43) " "  $\times$  9  
 (44) " "  $\times$  11  
 (45) " "  $\times$  2  
 (46) 11 yds. 3 qrs. 2 nls. 2 in.  $\times$  4  
 (47) " "  $\times$  6  
 (48) " "  $\times$  8  
 (49) " "  $\times$  10  
 (50) " "  $\times$  12  
 (51) 13 yrs. 103 dys. 5 h. 40 m.  $\times$  3  
 (52) " "  $\times$  5  
 (53) " "  $\times$  7  
 (54) " "  $\times$  9  
 (55) " "  $\times$  11  
 (56) 103 lds. 3 qrs. 3 bus. 3 pks.  $\times$  7  
 (57) " "  $\times$  8  
 (58) " "  $\times$  9  
 (59) " "  $\times$  6  
 (60) " "  $\times$  4  
 (61) 13 tons 4 cwt. 3 qrs. 9 lbs.  $\times$  14  
 (62) " "  $\times$  16  
 (63) " "  $\times$  15  
 (64) " "  $\times$  18  
 (65) 7 m. 3 fur. 3 po.  $2\frac{1}{2}$  yds.  $\times$  21  
 (66) " "  $\times$  22  
 (67) " "  $\times$  20

|       |                                   |       |
|-------|-----------------------------------|-------|
| (68)  | 9 cub. yds. 13 ft. 196 in.        | × 24  |
| (69)  | ” ”                               | × 28  |
| (70)  | ” ”                               | × 27  |
| (71)  | ” ”                               | × 30  |
| (72)  | 17 yds. 1 ft. 9½ in.              | × 36  |
| (73)  | ” ”                               | × 32  |
| (74)  | ” ”                               | × 33  |
| (75)  | ” ”                               | × 40  |
| (76)  | 8 lbs. 13 dwts. 5 grs.            | × 42  |
| (77)  | ” ”                               | × 45  |
| (78)  | ” ”                               | × 48  |
| (79)  | ” ”                               | × 50  |
| (80)  | 41 yds. 3 qrs. 1 nl. 1 in.        | × 54  |
| (81)  | ” ”                               | × 56  |
| (82)  | ” ”                               | × 60  |
| (83)  | ” ”                               | × 63  |
| (84)  | 73 ac. 3 r. 37 po.                | × 64  |
| (85)  | ” ”                               | × 66  |
| (86)  | ” ”                               | × 70  |
| (87)  | ” ”                               | × 72  |
| (88)  | 19 ac. 1 r. 11 po. 27 yds.        | × 75  |
| (89)  | ” ”                               | × 81  |
| (90)  | ” ”                               | × 84  |
| (91)  | 11 lbs. 5 oz. 6 drs. 1 sc. 7 grs. | × 77  |
| (92)  | ” ”                               | × 88  |
| (93)  | ” ”                               | × 90  |
| (94)  | ” ”                               | × 96  |
| (95)  | 103 cwt. 3 qrs. 27 lbs.           | × 99  |
| (96)  | ” ”                               | × 110 |
| (97)  | ” ”                               | × 108 |
| (98)  | ” ”                               | × 120 |
| (99)  | 7 cwt. 1 qr. 9 lbs. 6 oz.         | × 121 |
| (100) | ” ”                               | × 132 |
| (101) | ” ”                               | × 144 |
| (102) | ” ”                               | × 180 |
| (103) | 31 yrs. 115 dys. 19 hrs.          | × 200 |
| (104) | ” ”                               | × 240 |
| (105) | ” ”                               | × 225 |
| (106) | ” ”                               | × 192 |

- (107) 73 tons 13 cwt. 19 lbs.  $\times$  210  
 (108) " "  $\times$  150  
 (109) " "  $\times$  512  
 (110) " "  $\times$  640  
 (111) 13 po. 4 yds. 1 ft. 5 in.  $\times$  960  
 (112) " "  $\times$  1008  
 (113) " "  $\times$  315  
 (114) 3 lbs. 5 oz. 14 drs.  $\times$  17  
 (115) " "  $\times$  13  
 (116) " "  $\times$  19  
 (117) " "  $\times$  29  
 (118) 17 yds. 2 ft. 11 in.  $\times$  23  
 (119) " "  $\times$  31  
 (120) " "  $\times$  37  
 (121) 13 cub. yds. 5 ft. 114 in.  $\times$  41  
 (122) " "  $\times$  47  
 (123) " "  $\times$  46  
 (124) " "  $\times$  91  
 (125) 116 sq. yds. 7 ft. 41 in.  $\times$  41  
 (126) " "  $\times$  83  
 (127) " "  $\times$  119  
 (128) " "  $\times$  59  
 (129) 9 lbs. 11 oz. 5 dwts. 13 grs.  $\times$  93  
 (130) " "  $\times$  74  
 (131) " "  $\times$  79  
 (132) " "  $\times$  111  
 (133) 15 yrs. 3 mo. 2 wks.  $\times$  128  
 (134) " "  $\times$  133  
 (135) " "  $\times$  303  
 (136) 76 yds. 1 ft.  $4\frac{1}{2}$  in.  $\times$  969  
 (137) " "  $\times$  345  
 (138) " "  $\times$  327  
 (139) " "  $\times$  441  
 (140) 36 m. 4 fur. 3 po. 2 yds.  $\times$  902  
 (141) " "  $\times$  713  
 (142) " "  $\times$  868  
 (143) " "  $\times$  749  
 (144) 3 wks. 5 dys. 4 h. 25 m.  $\times$  699  
 (145) " "  $\times$  518

COMPOUND MULTIPLICATION (WEIGHTS AND MEASURES). 137

- (146) 3 wks. 5 dys. 4 h. 25 m.  $\times$  223  
 (147) " "  $\times$  319  
 (148) 1 lb. 3 oz. 4 drs. 2 sc. 9 grs.  $\times$  746  
 (149) " "  $\times$  647  
 (150) " "  $\times$  337  
 (151) " "  $\times$  733  
 (152) 2 cwt. 1 qr. 11 lbs. 8 oz.  $\times$  737  
 (153) " "  $\times$  197  
 (154) " "  $\times$  791  
 (155) " "  $\times$  719  
 (156) 3 sq. yds. 4 ft. 113 in.  $\times$  302  
 (157) " "  $\times$  709  
 (158) " "  $\times$  641  
 (159) " "  $\times$  725  
 (160) 11 ac. 2 r. 35 po. 27 yds.  $\times$  318  
 (161) " "  $\times$  992  
 (162) " "  $\times$  467  
 (163) " "  $\times$  107  
 (164) 17 yds. 3 qrs. 2 nls. 2 in.  $\times$  707  
 (165) " "  $\times$  323  
 (166) " "  $\times$  691  
 (167) " "  $\times$  457  
 (168) 31 qrs. 2 bus. 2 pks. 1 gal.  $\times$  517  
 (169) " "  $\times$  704  
 (170) " "  $\times$  1936  
 (171) " "  $\times$  1842  
 (172) 15 gals. 3 qts. 1 pt.  $\times$  9674  
 (173) " "  $\times$  8864  
 (174) " "  $\times$  7193  
 (175) 2 tons 13 cwt. 3 qrs. 15 lbs. 8 oz. 8 drs.  $\times$  9995  
 (176) " " "  $\times$  7846  
 (177) " " "  $\times$  9315  
 (178) 1 lb. 5 oz. 13 dwts. 13 grs.  $\times$  11195  
 (179) " "  $\times$  968  
 (180) " "  $\times$  70155  
 (181) 3 lbs. 11 oz. 5 drs. 2 sc. 13 grs.  $\times$  69280  
 (182) " " "  $\times$  1966  
 (183) " " "  $\times$  38477  
 (184) 3 m. 3 fur. 34 po. 3 yds. 2 ft. 6 in.  $\times$  404

|       |  |         |
|-------|--|---------|
| (185) | 3 m. 3 fur. 34 po. 3 yds. 2 ft. 6 in.    | × 5796  |
| (186) | ” ” ”                                    | × 97    |
| (187) | 12 ac. 3 r. 13 po. 20 yds. 5 ft. 110 in. | × 216   |
| (188) | ” ” ”                                    | × 4328  |
| (189) | ” ” ”                                    | × 5021  |
| (190) | 19 cub. yds. 11 ft. 119 in.              | × 7026  |
| (191) | ” ”                                      | × 8864  |
| (192) | ” ”                                      | × 90911 |
| (193) | 12 lds. 4 qrs. 5 bus. 2 pks. 1 gal.      | × 7013  |
| (194) | ” ” ”                                    | × 9684  |
| (195) | ” ” ”                                    | × 7215  |
| (196) | 2 yrs. 111 dys. 13 hrs. 12 min. 30 sec.  | × 38    |
| (197) | ” ” ”                                    | × 943   |
| (198) | ” ” ”                                    | × 8725  |
| (199) | 51 yds. 3 qrs. 3 nls. 2 in.              | × 5163  |
| (200) | ” ”                                      | × 8219  |

Find the value of

- (201) 1 ft. 6 in. × 1 ft. 6 in.  
 (202) 3 ft. 4 in. × 3 ft. 4 in.  
 (203) 5 ft. 9 in. × 3 ft. 8 in.  
 (204) 6 ft. 7 in. × 5 ft. 11 in.  
 (205) 7 ft. 10 in. × 6 ft. 3 in.  
 (206) 8 ft. 10 in. × 8 ft. 10 in.  
 (207) 17 ft. 4 in. × 6 ft. 3 in.  
 (208) 11 ft. 5 in. × 4 ft. 9 in.  
 (209) 19 ft. 6 in. × 19 ft. 6 in.  
 (210) 16 ft. 3 in. × 16 ft. 7 in.  
 (211) 8 ft. 9 in. × 8 ft. 6 in.  
 (212) 11 ft. 4 in. × 7 ft. 3 in.  
 (213) 17 ft. 3 in. × 16 ft. 3 in.  
 (214) 18 ft. 9 in. × 13 ft. 7 in.  
 (215) 6 ft.  $3\frac{1}{2}$  in. × 4 ft. 3 in.  
 (216) 9 ft. 6 in. × 2 ft.  $4\frac{1}{2}$  in.  
 (217) 18 ft.  $7\frac{1}{4}$  in. × 5 ft. 11 in.  
 (218) 3 yds. 2 ft. × 4 ft. 7 in.  
 (219) 5 yds. 1 ft. × 5 yds. 1 ft.  
 (220) 11 yds. 2 ft. × 8 yds. 11 in.  
 (221) 6 yds. 1 ft. × 8 yds. 1 ft. 3 in.

- (222) 7 yds. 2 ft.  $\times$  3 yds. 2 ft. 10 in.  
 (223) 19 yds. 1 ft.  $\times$  6 ft.  $6\frac{1}{2}$  in.  
 (224) 3 yds. 1 ft. 4 in.  $\times$  5 ft. 6 in.  
 (225) 8 yds. 1 ft. 7 in.  $\times$  4 yds. 2 ft. 4 in.  
 (226) 3 yds. 2 ft. 6 in.  $\times$  3 yds. 1 ft. 9 in.  
 (227) 9 yds. 1 ft. 4 in.  $\times$  2 yds. 1 ft. 6 in.  
 (228) 7 yds. 2 ft. 3 in.  $\times$  4 ft.  $7\frac{1}{2}$  in.  
 (229) 11 yds. 1 ft. 4 in.  $\times$  3 ft. 8 in.  
 (230) 18 yds. 2 ft. 10 in.  $\times$  3 ft. 11 in.  
 (231) 6 ft.  $7\frac{1}{2}$  in.  $\times$  5 ft. 9 in.  
 (232) 16 ft. 8 in.  $\times$  2 ft.  $4\frac{1}{2}$  in.  
 (233) 16 ft. 8 in.  $\times$  3 ft.  $1\frac{1}{4}$  in.  
 (234) 2 ft. 6 in.  $\times$  1 ft.  $\times$  3 ft. 4 in.  
 (235) 1 ft. 8 in.  $\times$  2 ft.  $\times$  4 ft. 6 in.  
 (236) 9 yds.  $\times$  2 ft. 8 in.  $\times$  7 ft. 6 in.  
 (237) 13 yds.  $\times$  1 ft. 4 in.  $\times$  3 ft. 4 in.  
 (238) 11 yds.  $\times$  2 ft. 10 in.  $\times$  2 ft. 6 in.  
 (239) 18 yds.  $\times$  1 ft. 9 in.  $\times$  1 ft. 9 in.  
 (240)  $11\frac{1}{4}$  yds.  $\times$  2 ft. 6 in.  $\times$  1 ft. 8 in.  
 (241)  $12\frac{3}{4}$  yds.  $\times$  3 ft.  $\times$  7 ft. 4 in.  
 (242)  $2\frac{1}{2}$  yds.  $\times$   $1\frac{1}{2}$  yds.  $\times$   $3\frac{1}{2}$  yds.  
 (243)  $1\frac{1}{4}$  yds.  $\times$   $1\frac{1}{2}$  yds.  $\times$   $2\frac{1}{2}$  yds.  
 (244)  $2\frac{3}{4}$  yds.  $\times$  4 ft.  $\times$  4 ft. 6 in.  
 (245) 11 yds.  $\times$   $3\frac{1}{2}$  ft.  $\times$  2 ft. 10 in.  
 (246) 6 ft. 6 in.  $\times$  3 ft.  $\times$  1 ft. 6 in.  
 (247) 1 ft. 6 in.  $\times$  2 ft. 6 in.  $\times$  4 ft. 4 in.  
 (248) 2 ft.  $10\frac{1}{2}$  in.  $\times$  3 ft. 4 in.  $\times$  5 ft. 7 in.  
 (249) 3 yds. 2 ft.  $\times$  5 ft. 6 in.  $\times$  3 ft. 10 in.  
 (250) 8 yds. 1 ft. 6 in.  $\times$  3 ft.  $9\frac{1}{2}$  in.  $\times$  1 ft. 10 in.

(251) Sold 31 pieces, each 5 yards 1 qr. 1 n., from a piece of alpaca measuring 165 yards. What is the length of the remnant?

(252) A marine engine consumes 5 tons 11 cwt. of coal daily: how much must be put on board for a voyage of 32 days?

(253) Find the weight of 7 pieces of plate, each 3 lbs. 7 oz. 9 dwts. 11 grs.

(254) A chemist dispenses on the average 2 lbs. 11 oz. 5 drs. 2 sc. 15 grs. of drugs daily. What is the weight dispensed in 21 days?

- (255) Find the weight of 17 packages, each 2 cwt. 3 qrs. 13 lbs. 8 oz.
- (256) How far would a person travel in 13 days if he travels 19 m. 3 fur. 114 yds. in a day ?
- (257) Find the area of 29 plots of land, each 1 ac. 1 r. 13 p. 4 yds.
- (258) What quantity of wheat may be thrashed from 15 stacks if each averages 3 qrs. 3 bus. 1 pk. ?
- (259) Multiply 5 barrels 13 gallons 1 pt. by 43.
- (260) If a man excavates 9 cub. ft. 417 in. in an hour, what quantity would 13 men excavate in the same time ?
- (261) Twenty-five persons have an average age of 31 years 131 days : what is the sum of their ages ?
- (262) Find the whole weight of 33 loads of lime, each 18 cwt. 3 qrs. 12 lbs.
- (263) How many times is 9 times 3 lbs. 6 oz. Troy contained in 630 lbs. ?
- (264) By how much is 17 times  $11\frac{1}{4}$  poles greater than 13 times  $23\frac{1}{2}$  yards ?
- (265) How many half pints are there in 53 gallons 1 qt. 1 pt. ?
- (266) Multiply 3 times 1 yr. 12 days 11 hrs. 30 min. by 64.
- (267) How many cwt., &c. are equivalent to 15 times 107 lbs. 5 oz. 5 dwts. 5 grs. Troy ?
- (268) By how much does 12 times 8 yrs. 121 dys. 11 hrs. differ from 19 times the same ?
- (269) Add together 1 cwt. 1 qr., 3 cwts. 27 lbs., and 4 cwts. 1 qr. 18 lbs., and multiply the result by 7.
- (270) How many sq. ft. of wood are there in a plank 15 ft. 6 in. by 2 ft. 7 in. ?
- (271) Find the cost of 12 loads of coal, each 15 cwt. 3 qrs., at 7*d.* per cwt.
- (272) How many days are there in 63 times 11 hours 30 min. ?
- (273) How many acres, &c. could be reaped in a day by 16 men if one man can reap 2 ac. 3 r. 12 poles in that time ?
- (274) Find the total weight of 109 packages of tea, each half a cwt. and 12 lbs.

COMPOUND MULTIPLICATION (WEIGHTS AND MEASURES). 141

(275) A train travelling 45 miles an hour continues its journey for  $2\frac{1}{2}$  hours, stopping twice for 7 min. 30 sec. each time in the course of the journey. What distance is traversed?

(276) A train leaving London at 8.5 a.m. arrives at York at 2.45 p.m., travelling on the average half a mile per minute. What is the distance from London to York?

(277) A fortified town of 80,000 inhabitants is victualled for a year, allowing each person 3 lbs. 7 oz. of solid food per day. What weight of provisions must be stored up?

(278) A watch gains 13 sec. each hour: what will it gain in a fortnight?

(279) A cart wheel 13 ft. 9 in. round makes 2000 revolutions in an hour. What distance does the cart go in an hour?

(280) Multiply the sum of 11 ft. 6 in., 5 ft. 9 in., 3 ft. 7 in., and 8 ft. 4 in. by 14.

(281) What wall surface will a roll of paper 12 yards long by 21 in. broad cover?

(282) Find the solid content of a block 2 ft. 9 in. long, 3 ft. 6 in. broad and 2 ft. 8 in. thick.

(283) A person walks  $3\frac{1}{4}$  miles to work each week day: how far does he travel in a year (52 weeks)?

(284) Find the solid content of a beam 19 yards long and 12 inches square.

(285) Find the total weight of 163 bags of letters, each weighing 13 lbs. 5 oz.

(286) What is the length of 32 rails, each 18 ft.  $6\frac{1}{2}$  in. long?

(287) Multiply  $3^{\circ} 15' 14''$  by 35.

(288) How many feet of surface has a floor measuring 40 ft. by 18 ft. 9 in.?

(289) What length of desks will be required to accommodate 325 scholars, allowing 2 ft. 4 in. to each?

(290) What is the weight of 140 sacks of potatoes, each 107 lbs.?

(291) From 4 years 113 days 1 h. 20 min. take 2 years 119 days 1 h. 35 min. and multiply the remainder by 10.

(292) Find the sum of 14 ac. 3 r. 12 p.  $\times$  36, and 5 p. 3 yds.  $\times$  37.

(293) What weight of water will a tank 30 ft. long 20 ft. broad and 10 ft. deep contain, reckoning 62 lbs. 8 oz. to the cubic foot?

(294) What weight of water does the Suez Canal contain if it be 100 miles long with an average width of 100 ft. and a depth of 25 ft.?

(295) If 2 gallons 1 quart 1 pint of water be allowed daily to each of 290 persons on board a ship, what will be the supply required for 6 weeks?

(296) What weight divided by 73 will give 2 cwt. 3 qrs. 5 lbs.?

(297) How many sq. ft. of surface have the walls of a room 14 ft. long, 11 ft. 6 in. broad, and 9 ft. 3 in. high?

(298) The walls of a room 15 ft. long by 14 ft. 6 in. broad and 8 ft. 6 in. high are to be painted; a window 5 ft. 6 in. by 4 ft. and a fireplace 3 ft. 6 in. by 4 ft. being deducted. How many sq. yds. of surface remain to be painted?

(299) Find the value of 7 times the sum of 3 lbs. 6 oz. 5 dwts + 2 oz. 7 dwts.

(300) How many quarters of barley are there in 117 sacks, each 3 bushels 1 pk.?

## COMPOUND DIVISION

(WEIGHTS AND MEASURES).

|      |                                       |      |
|------|---------------------------------------|------|
| (1)  | 112 tons 13 cwt. 3 qrs. 12 lbs. 8 oz. | ÷ 2  |
| (2)  | ” ” ” ”                               | ÷ 3  |
| (3)  | ” ” ” ”                               | ÷ 4  |
| (4)  | ” ” ” ”                               | ÷ 5  |
| (5)  | ” ” ” ”                               | ÷ 6  |
| (6)  | ” ” ” ”                               | ÷ 7  |
| (7)  | ” ” ” ”                               | ÷ 8  |
| (8)  | ” ” ” ”                               | ÷ 9  |
| (9)  | ” ” ” ”                               | ÷ 10 |
| (10) | ” ” ” ”                               | ÷ 11 |
| (11) | ” ” ” ”                               | ÷ 12 |
| (12) | 15 lbs. 1 oz. 13 dwts. 18 grs.        | ÷ 2  |
| (13) | ” ” ” ”                               | ÷ 3  |
| (14) | ” ” ” ”                               | ÷ 4  |
| (15) | ” ” ” ”                               | ÷ 5  |
| (16) | ” ” ” ”                               | ÷ 6  |
| (17) | ” ” ” ”                               | ÷ 7  |
| (18) | ” ” ” ”                               | ÷ 8  |
| (19) | ” ” ” ”                               | ÷ 9  |
| (20) | ” ” ” ”                               | ÷ 10 |
| (21) | ” ” ” ”                               | ÷ 11 |
| (22) | ” ” ” ”                               | ÷ 12 |
| (23) | 103 lbs. 6 oz. 3 drs. 2 sc. 15 grs.   | ÷ 2  |
| (24) | ” ” ” ”                               | ÷ 3  |
| (25) | ” ” ” ”                               | ÷ 4  |
| (26) | ” ” ” ”                               | ÷ 5  |
| (27) | ” ” ” ”                               | ÷ 6  |
| (28) | ” ” ” ”                               | ÷ 7  |

## EXAMPLES IN ARITHMETIC.

- (29) 103 lbs. 6 oz. 3 drs. 2 sc. 15 grs.  $\div 8$   
 (30) " " " "  $\div 9$   
 (31) " " " "  $\div 10$   
 (32) " " " "  $\div 11$   
 (33) " " " "  $\div 12$   
 (34) 1017 m. 3 fur. 36 po. 3 yds. 2 ft. 6 in.  $\div 2$   
 (35) " " " "  $\div 3$   
 (36) " " " "  $\div 4$   
 (37) " " " "  $\div 5$   
 (38) " " " "  $\div 6$   
 (39) " " " "  $\div 7$   
 (40) " " " "  $\div 8$   
 (41) " " " "  $\div 9$   
 (42) " " " "  $\div 10$   
 (43) " " " "  $\div 11$   
 (44) " " " "  $\div 12$   
 (45) 75 ac. 3 r. 31 po. 19 yds. 6 ft. 11 in.  $\div 2$   
 (46) " " " "  $\div 3$   
 (47) " " " "  $\div 4$   
 (48) " " " "  $\div 5$   
 (49) " " " "  $\div 6$   
 (50) " " " "  $\div 7$   
 (51) " " " "  $\div 8$   
 (52) " " " "  $\div 9$   
 (53) " " " "  $\div 10$   
 (54) " " " "  $\div 11$   
 (55) " " " "  $\div 12$   
 (56) 306 yrs. 193 dys. 18 hrs. 3 sec.  $\div 2$   
 (57) " " " "  $\div 3$   
 (58) " " " "  $\div 4$   
 (59) " " " "  $\div 5$   
 (60) " " " "  $\div 6$   
 (61) " " " "  $\div 7$   
 (62) " " " "  $\div 8$   
 (63) " " " "  $\div 9$   
 (64) " " " "  $\div 10$   
 (65) " " " "  $\div 11$   
 (66) " " " "  $\div 12$   
 (67) 37 lds. 3 qrs. 3 bus. 3 pks.  $\div 2$

|       |   |
|-------|---|
| (68)  | 37 lbs. 3 qrs. 3 bus. 3 pks. ÷ 3        |
| (69)  | "          "          "          " ÷ 4  |
| (70)  | "          "          "          " ÷ 5  |
| (71)  | "          "          "          " ÷ 6  |
| (72)  | "          "          "          " ÷ 7  |
| (73)  | "          "          "          " ÷ 8  |
| (74)  | "          "          "          " ÷ 9  |
| (75)  | "          "          "          " ÷ 10 |
| (76)  | "          "          "          " ÷ 11 |
| (77)  | "          "          "          " ÷ 12 |
| (78)  | 310 gals. 2 qts. 1 pint ÷ 2             |
| (79)  | "          "          "          " ÷ 3  |
| (80)  | "          "          "          " ÷ 4  |
| (81)  | "          "          "          " ÷ 5  |
| (82)  | "          "          "          " ÷ 6  |
| (83)  | "          "          "          " ÷ 7  |
| (84)  | "          "          "          " ÷ 8  |
| (85)  | "          "          "          " ÷ 9  |
| (86)  | "          "          "          " ÷ 10 |
| (87)  | "          "          "          " ÷ 11 |
| (88)  | "          "          "          " ÷ 12 |
| (89)  | 512 cub. yds. 21 ft. 119 in. ÷ 2        |
| (90)  | "          "          "          " ÷ 3  |
| (91)  | "          "          "          " ÷ 4  |
| (92)  | "          "          "          " ÷ 5  |
| (93)  | "          "          "          " ÷ 6  |
| (94)  | "          "          "          " ÷ 7  |
| (95)  | "          "          "          " ÷ 8  |
| (96)  | "          "          "          " ÷ 9  |
| (97)  | "          "          "          " ÷ 10 |
| (98)  | "          "          "          " ÷ 11 |
| (99)  | "          "          "          " ÷ 12 |
| (100) | 213 yds. 3 qrs. 3 nls. 1 in. ÷ 2        |
| (101) | "          "          "          " ÷ 3  |
| (102) | "          "          "          " ÷ 4  |
| (103) | "          "          "          " ÷ 5  |
| (104) | "          "          "          " ÷ 6  |
| (105) | "          "          "          " ÷ 7  |
| (106) | "          "          "          " ÷ 8  |

## EXAMPLES IN ARITHMETIC.

- (107) 213 yds. 3 qrs. 3 nls. 1 in.  $\div 9$   
 (108) " "  $\div 10$   
 (109) " "  $\div 11$   
 (110) " "  $\div 12$   
 (111) 6 cwt. 3 qrs. 11 lbs. 8 oz.  $\div 9$   
 (112) " "  $\div 7$   
 (113) " "  $\div 8$   
 (114) 111 yds. 2 ft. 6 in.  $\div 6$   
 (115) " "  $\div 7$   
 (116) " "  $\div 8$   
 (117) 31 ac. 3 r. 37 po. 14 yds.  $\div 5$   
 (118) " "  $\div 9$   
 (119) " "  $\div 7$   
 (120) " "  $\div 6$   
 (121) 30 yds. 1 ft. 9 in.  $\div 15$   
 (122) " "  $\div 22$   
 (123) " "  $\div 25$   
 (124) " "  $\div 36$   
 (125) " "  $\div 108$   
 (126) 117 tons 3 qrs. 15 lbs.  $\div 54$   
 (127) " "  $\div 56$   
 (128) " "  $\div 72$   
 (129) " "  $\div 32$   
 (130) " "  $\div 100$   
 (131) 2900 ac. 1 r. 440 yds.  $\div 132$   
 (132) " "  $\div 96$   
 (133) " "  $\div 81$   
 (134) " "  $\div 35$   
 (135) " "  $\div 64$   
 (136) 319 cub. yds. 11 ft. 1032 in.  $\div 63$   
 (137) " "  $\div 105$   
 (138) " "  $\div 512$   
 (139) " "  $\div 162$   
 (140) " "  $\div 75$   
 (141) 2907 yds. 3 qrs. 1 nl. 1 in.  $\div 36$   
 (142) " "  $\div 121$   
 (143) " "  $\div 144$   
 (144) " "  $\div 27$   
 (145) " "  $\div 150$

|       |  |        |  |
|-------|--|--------|--|
| (146) | 1112 qrs. 4 bus. 3 pks. 1 gal.                 | ÷ 168  |  |
| (147) | "          "          "                        | ÷ 270  |  |
| (148) | "          "          "                        | ÷ 343  |  |
| (149) | "          "          "                        | ÷ 60   |  |
| (150) | "          "          "                        | ÷ 99   |  |
| (151) | 350 tons 9 cwt. 1 qr. 15 lbs.                  | ÷ 19   |  |
| (152) | "          "          "                        | ÷ 51   |  |
| (153) | "          "          "                        | ÷ 62   |  |
| (154) | "          "          "                        | ÷ 29   |  |
| (155) | "          "          "                        | ÷ 83   |  |
| (156) | 374 lds. 3 qrs. 3 bus. 2 pks.                  | ÷ 13   |  |
| (157) | "          "          "                        | ÷ 117  |  |
| (158) | "          "          "                        | ÷ 58   |  |
| (159) | "          "          "                        | ÷ 141  |  |
| (160) | "          "          "                        | ÷ 143  |  |
| (161) | 1877 yrs. 113 dys. 5 hrs.                      | ÷ 185  |  |
| (162) | "          "          "                        | ÷ 199  |  |
| (163) | "          "          "                        | ÷ 210  |  |
| (164) | "          "          "                        | ÷ 558  |  |
| (165) | "          "          "                        | ÷ 634  |  |
| (166) | 1121 lbs. 3 oz. 8 dwts. 12 grs.                | ÷ 925  |  |
| (167) | "          "          "                        | ÷ 704  |  |
| (168) | "          "          "                        | ÷ 111  |  |
| (169) | "          "          "                        | ÷ 300  |  |
| (170) | "          "          "                        | ÷ 569  |  |
| (171) | 9057 cub. yds. 20 ft. 310 in.                  | ÷ 735  |  |
| (172) | "          "          "                        | ÷ 868  |  |
| (173) | "          "          "                        | ÷ 221  |  |
| (174) | "          "          "                        | ÷ 322  |  |
| (175) | "          "          "                        | ÷ 804  |  |
| (176) | 3009 ac. 2 r. 11 po. 15 yds.                   | ÷ 691  |  |
| (177) | "          "          "                        | ÷ 715  |  |
| (178) | "          "          "                        | ÷ 551  |  |
| (179) | "          "          "                        | ÷ 998  |  |
| (180) | "          "          "                        | ÷ 999  |  |
| (181) | 39061 tons 11 cwt. 1 qr. 15 lbs. 8 oz. 13 drs. | ÷ 5103 |  |
| (182) | "          "          "          "             | ÷ 7296 |  |
| (183) | "          "          "          "             | ÷ 8435 |  |
| (184) | 171 lbs. 8 oz. 13 dwts. 9 grs.                 | ÷ 9926 |  |

|       |   |
|-------|---|
| (185) | 171 lbs. 8 oz. 13 dwts. 9 grs. $\div$ 803               |
| (186) | 116071 ac. 3 r. 30 po. 14 yds. 2 ft. 120 in. $\div$ 158 |
| (187) | ” ” ” $\div$ 9684                                       |
| (188) | ” ” ” $\div$ 310  |
| (189) | 92091 cub. yds. 3 ft. 1231 in. $\div$ 948               |
| (190) | ” ” $\div$ 872  |
| (191) | 7021 m. 3 fur. 37 po. 4 yds. 2 ft. 7 in. $\div$ 9136    |
| (192) | ” ” ” $\div$ 7938                                       |
| (193) | 403 yrs. 196 dys. 11 hrs. 19 min. 19 sec. $\div$ 6606   |
| (194) | ” ” ” $\div$ 915  |
| (195) | 55095 lds. 3 qrs. 3 bus. 2 pks. $\div$ 5585             |
| (196) | ” ” ” $\div$ 323  |
| (197) | 47239 yds. 2 qrs. 0 n. $1\frac{1}{2}$ in. $\div$ 2219   |
| (198) | ” ” $\div$ 5037   |
| (199) | 503 lbs. 3 oz. 3 dr. 2 sc. 11 grs. $\div$ 631           |
| (200) | ” ” $\div$ 2947   |

(201) What is the length of a chain three-fourths of which measures 13 yds. 9 in. ?

(202) How many times may 484 sq. yards be subtracted from  $5\frac{1}{2}$  acres ?

(203) If the length of desks in a school for 480 pupils measures 373 yards 1 ft. : what length is allowed for each pupil ?

(204) How many loads of coal, each 14 cwt. 3 qrs. 12 lbs., are contained in 5 trucks, each weighing 10 tons 8 cwt. ?

(205) How many pieces of paper, each 12 yards long by 21 in. wide, will be required for the walls of a room 5 yds. long by 14 ft. 9 in. broad and 9 ft. high ?

(206) How many times is 9 bus. 3 pks. 1 gall. contained in 22 qrs. 1 bus. 3 pks. ?

(207) How many posts placed 6 ft. apart will support a straight fence a furlong long ?

(208) Divide 30 tons 13 cwt. 2 qrs. 3 lbs. by 18.

(209) Add the ninth of 12 cwt. to the seventh part of 5 qrs.

(210)  $A$ 's farm is one-eleventh the size of  $B$ 's which measures 1000 ac. 1 r. 10 p. : what is the extent of  $A$ 's ?

(211) From the third part of four times 5 lbs. 11 oz. 9 dwts. take four times 3791 grains.

(212) How many times 3 bushels 3 pks. is 10 loads 4 qrs. 6 bus. 3 pks. ?

(213) Seven horses consume 3 qrs. 2 pks. of oats in a certain time : what quantity does each horse eat ?

(214) Find the average age of a class of boys whose several ages are 11 yrs. 2 m., 15 yrs. 7 m., 12 yrs. 3 m., 10 yrs. 11 m., 11 yrs. 10 m., 9 yrs. 8 m., 13 yrs. 6 m., 13 yrs. 4 m., 14 yrs. 9 m., and 12 yrs. 10 m.

(215) What is the cost of the fourth part of 11 cwt. 3 qrs. of rice at  $2\frac{1}{2}d.$  per lb. ?

(216) If 1563 tons 5 cwt. 1 qr. 24 lbs. of merchandise be carried yearly by a company, what is the average weight per week ?

(217) Divide the sum of 2 m. 1 fur. 30 yds. + 5 m. 1 fur. 40 yds. + 2 m. 5 fur. 200 yards + 38 fur. 191 yds. by 76.

(218) A piece of silver plate weighing 3 lbs.  $6\frac{1}{2}$  oz. Troy is sold for £15. 18. 9 : what is the price charged per oz. ?

(219) In how many days can 303 ac. 3 r. be ploughed at the rate of 25 ac. 1 r. 10 p. each day ?

(220) If 19 hams weigh 3 cwt. 1 qr.  $6\frac{1}{2}$  lbs., what is the average weight of each ?

(221) If 29 qrs. 5 bus.  $1\frac{1}{2}$  pks. of seed be sown on 211 acres of land, how much is that per acre ?

(222) From 11 ac. 3 r. 4 p. take 5 ac. 3 r. 14 p. and find the fifth part of the remainder.

(223) How many sleepers placed 2 ft. 6 in. apart would be required for a double line of rails 13 miles long ?

(224) A piece of land measuring 46 ac. 1 r. 25 p. is divided into 27 equal allotments for gardens. What is the size of each ?

(225) How many yards of carpet, 32 inches wide, will be required for a room 15 ft. long by 13 ft. 4 in. wide ?

(226) How many boards 12 ft. 6 in. long by 9 in. wide would be required for a room  $11\frac{1}{2}$  ft. by 10 ft. ?

- (227) Divide 113 yds. by 36.
- (228) Find the value of five times the 40th part of 31 acres divided by four.
- (229) From the fourteenth part of 11 cwt. 3 qrs. take 1 qr.  $4\frac{1}{2}$  lbs.
- (230) If 2 tons 6 cwt. 3 qrs. 14 lbs. of bread be distributed amongst 1000 persons, what is each one's share ?
- (231) How many dress pieces, each  $14\frac{3}{4}$  yards, may be cut from a piece measuring 354 yards long ?
- (232) Find the ninth part of 17 ac. 1 r. 30 p.
- (233) What weight is the seventh part of 8 hhds. of sugar, each 5. cwt. 27 lbs. ?
- (234) How many times does a wheel 15 ft. 6 in. in circumference revolve in traversing 1 m. 1340 yards ?
- (235) Find the 16th part of 17 loads 4 qrs. 1 bus.
- (236) How many times is a chain of 66 ft. contained in a mile and a half ?
- (237) What cash must be given with 23 yards of cloth at 11s. 8d. to pay for  $13\frac{1}{2}$  dozens of wine at £1. 18. 6 per dozen ?
- (238) How many times is 560 sq. in. contained in  $1\frac{3}{4}$  ac. ?
- (239) How many ropes, each 24 yds. 1 ft. 6 in., will reach to a depth of 294 fathoms ?
- (240) What is the length of a room whose breadth is 15 ft. 6 in. and area 294 sq. ft. 72 in. ?
- (241) Find the difference of the fifth part of 103 cwt. 0 qr. 4 lbs. and the seventh part of 30 tons 11 cwt.
- (242) If I gain £3. 17. on 3 cwt. what do I gain per lb. ?
- (243) If I gain three half-pence per lb. by selling goods at £4. 7. 6 for 1 cwt. 1 qr., at what price per cwt. should they be sold to gain 4d. per lb. ?
- (244) How many times is 9 ft.  $7\frac{1}{2}$  in. contained in 320 yds. 2 ft. 6 in. ?

(245) Find the area of a field in the form of a rectangle 1769 links long by 1200 links broad, and divide the result by 100.

(246) A gentleman wishing to dispose of part of an estate of 1000 acres reserves one-eighth of the whole for himself and sells the rest in 160 lots of equal size for building purposes : what is the area of each lot ?

(247) From the half of 196 cub. ft. take 1 cub. yd. 12 ft. and divide the remainder into twelve equal parts.

(248) A silkworm produces 28 Troy grains weight of silk : how many must be kept to produce a cwt. ?

(249) How many panes of glass each 15 inches by 12 in. would be required for 23 windows, each 5 ft. by 4 ft. ?

(250) Find the sum of 11 lbs. 5 oz., 16 lbs. 8 oz., 1 cwt. 2 lbs., 11 qrs.  $3\frac{1}{2}$  lbs.,  $1\frac{1}{4}$  cwt. and  $2\frac{1}{2}$  oz., and divide the result by 8.

## GREATEST COMMON MEASURE.

Find the g. c. m. of :—

- |      |                |      |                   |
|------|----------------|------|-------------------|
| (1)  | 18 and 24      | (26) | 119 and 437       |
| (2)  | 180 and 2400   | (27) | 4807 and 1309     |
| (3)  | 791 and 1017   | (28) | 595 and 2185      |
| (4)  | 836 and 926    | (29) | 12019 and 44137   |
| (5)  | 512 and 6400   | (30) | 6307 and 23161    |
| (6)  | 279 and 217    | (31) | 1104 and 10020    |
| (7)  | 440 and 1269   | (32) | 88 and 1008       |
| (8)  | 6993 and 8991  | (33) | 3212 and 9052     |
| (9)  | 999 and 37     | (34) | 313441 and 111221 |
| (10) | 3717 and 2065  | (35) | 1067 and 3007     |
| (11) | 150 and 920    | (36) | 583 and 2907      |
| (12) | 634 and 3487   | (37) | 1448 and 7698     |
| (13) | 992 and 445    | (38) | 321 and 1177      |
| (14) | 9021 and 407   | (39) | 1917 and 1065     |
| (15) | 365 and 73     | (40) | 3835 and 6939     |
| (16) | 6307 and 10812 | (41) | 8910 and 4950     |
| (17) | 144 and 726    | (42) | 651 and 1023      |
| (18) | 413 and 531    | (43) | 7350 and 11550    |
| (19) | 1775 and 75    | (44) | 484 and 308       |
| (20) | 5472 and 4256  | (45) | 899 and 961       |
| (21) | 6327 and 7733  | (46) | 5515 and 12133    |
| (22) | 2517 and 3356  | (47) | 5423 and 7337     |
| (23) | 2023 and 7429  | (48) | 15453 and 20907   |
| (24) | 2261 and 8303  | (49) | 357 and 459       |
| (25) | 2737 and 10051 | (50) | 77143 and 259481  |

## LEAST COMMON MULTIPLE.

Find the L. C. M. of —

- |                      |                          |
|----------------------|--------------------------|
| (1) 4, 6             | (26) 70, 23, 36, 8       |
| (2) 14, 16           | (27) 15, 19, 60, 57      |
| (3) 17, 51           | (28) 14, 21, 84, 72      |
| (4) 56, 84           | (29) 3, 9, 6, 8, 14, 5   |
| (5) 4, 5, 6          | (30) 5, 9, 11, 7, 21, 3  |
| (6) 7, 14, 21        | (31) 8, 6, 15, 50        |
| (7) 3, 6, 15         | (32) 32, 3, 8, 6, 4      |
| (8) 4, 7, 8          | (33) 76, 25, 35, 70      |
| (9) 3, 5, 7          | (34) 13, 38, 39, 19      |
| (10) 7, 63, 9        | (35) 50, 40, 30, 12      |
| (11) 8, 16, 14       | (36) 62, 14, 31, 81      |
| (12) 16, 18, 32      | (37) 81, 5, 27, 25       |
| (13) 17, 51, 153     | (38) 32, 34, 36, 40, 42  |
| (14) 12, 15, 25      | (39) 12, 15, 18, 21      |
| (15) 16, 20, 24      | (40) 12, 10, 8, 80, 9    |
| (16) 11, 17, 34      | (41) 45, 6, 18, 90       |
| (17) 8, 12, 10, 6    | (42) 3, 6, 9, 12, 15     |
| (18) 113, 4, 452     | (43) 2, 4, 6, 8, 10, 12  |
| (19) 59, 9, 177      | (44) 14, 16, 18, 20, 22  |
| (20) 4, 6, 8, 10     | (45) 8, 16, 24, 15, 30   |
| (21) 7, 21, 63, 105  | (46) 99, 3, 11, 5, 33    |
| (22) 11, 8, 6, 19    | (47) 999, 27, 37         |
| (23) 5, 310, 62, 40  | (48) 15, 65, 75, 85      |
| (24) 17, 39, 52, 68  | (49) 49, 21, 5, 8, 6     |
| (25) 44, 121, 19, 76 | (50) 13, 17, 83, 51, 249 |



# ANSWERS TO THE EXAMPLES.

## SIMPLE ADDITION.

- |                  |                  |                  |                |             |
|------------------|------------------|------------------|----------------|-------------|
| (1) 6064.        | (2) 8659.        | (3) 9777.        | (4) 7863.      | (5) 8656.   |
| (6) 8573.        | (7) 8719.        | (8) 9306.        | (9) 8611.      | (10) 10524. |
| (11) 8534.       | (12) 3943.       | (13) 4858.       | (14) 6623.     | (15) 4657.  |
| (16) 4203.       | (17) 4286.       | (18) 6420.       | (19) 7115.     | (20) 5207.  |
| (21) 98362.      | (22) 111273.     | (23) 97592.      | (24) 82421.    |             |
| (25) 92430.      | (26) 88598.      | (27) 84216.      | (28) 97071.    |             |
| (29) 44041.      | (30) 61897.      | (31) 49174.      | (32) 81508.    |             |
| (33) 40904.      | (34) 65581.      | (35) 79761.      | (36) 68625.    |             |
| (37) 1013818.    | (38) 665304.     | (39) 732653.     | (40) 589089.   |             |
| (41) 753387.     | (42) 629461.     | (43) 523865.     | (44) 756309.   |             |
| (45) 793394.     | (46) 987471.     | (47) 774053.     | (48) 698866.   |             |
| (49) 582763.     | (50) 393641.     | (51) 661065.     | (52) 614520.   |             |
| (53) 808487.     | (54) 322873.     | (55) 478172.     | (56) 426683.   |             |
| (57) 616169.     | (58) 664642.     | (59) 800224.     | (60) 495332.   |             |
| (61) 573644.     | (62) 653238.     | (63) 548416.     | (64) 482283.   |             |
| (65) 830524983.  | (66) 2854439402. | (67) 150553632.  |                |             |
| (68) 5964265303. | (69) 699083471.  | (70) 2068846208. |                |             |
| (71) 485889455.  | (72) 1204905616. | (73) 397507829.  |                |             |
| (74) 368211498.  | (75) 342713436.  | (76) 88648003.   | (77) 12349901. |             |
| (78) 11355508.   | (79) 30179163.   | (80) 27273169.   | (81) 25863930. |             |
| (82) 1908002.    | (83) 1726226.    | (84) 4700581.    | (85) 565451.   |             |
| (86) 4306586.    | (87) 1809081.    | (88) 1448473.    | (89) 6183844.  |             |
| (90) 10801950.   | (91) 7841123.    | (92) 10273608.   | (93) 5281275.  |             |
| (94) 5066879.    | (95) 1851164.    | (96) 1841490.    | (97) 7666255.  |             |
| (98) 1340903.    | (99) 1184690.    | (100) 2559279.   | (101) 7760.    |             |
| (102) 13104.     | (103) 13089.     | (104) 15793.     | (105) 14888.   |             |
| (106) 19227.     | (107) 16940.     | (108) 7871.      | (109) 17924.   |             |
| (110) 12686.     | (111) 11221.     | (112) 10849.     | (113) 11918.   |             |
| (114) 13901.     | (115) 7010.      | (116) 14559.     | (117) 11243.   |             |

|                   |                  |                |                  |
|-------------------|------------------|----------------|------------------|
| (118) 18884.      | (119) 18383.     | (120) 16518.   | (121) 18744.     |
| (122) 15943.      | (123) 15142.     | (124) 16634.   | (125) 18784.     |
| (126) 13996.      | (127) 17865.     | (128) 15580.   | (129) 16818.     |
| (130) 17777.      | (131) 17020.     | (132) 14892.   | (133) 17069.     |
| (134) 18929.      | (135) 12776.     | (136) 22166.   | (137) 24189.     |
| (138) 19918.      | (139) 18511.     | (140) 16431.   | (141) 154411.    |
| (142) 182596.     | (143) 189843.    | (144) 170652.  | (145) 175541.    |
| (146) 159592.     | (147) 145935.    | (148) 171903.  | (149) 61730.     |
| (150) 173175.     | (151) 188855.    | (152) 171104.  | (153) 158354.    |
| (154) 174052.     | (155) 81380.     | (156) 90731.   | (157) 153019.    |
| (158) 150181.     | (159) 158775.    | (160) 1767599. | (161) 1393011.   |
| (162) 1269325.    | (163) 171390.    | (164) 169361.  | (165) 130364.    |
| (166) 106875.     | (167) 1188362.   | (168) 4340105. | (169) 9607723.   |
| (170) 1783344.    | (171) 1887426.   | (172) 1628417. | (173) 1322015.   |
| (174) 1227873.    | (175) 1232600.   | (176) 918433.  | (177) 950522.    |
| (178) 2923149.    | (179) 1747820.   | (180) 653490.  | (181) 512206.    |
| (182) 1174948.    | (183) 1924696.   | (184) 1978152. | (185) 1863367.   |
| (186) 2146361.    | (187) 1178014.   | (188) 1689708. | (189) 796708.    |
| (190) 1350280.    | (191) 705986.    | (192) 2551213. | (193) 759037.    |
| (194) 658191.     | (195) 874414.    | (196) 761683.  | (197) 587024.    |
| (198) 637592.     | (199) 4127024.   | (200) 3493190. | (201) 4956.      |
| (202) 578312.     | (203) 71820404.  | (204) 71.      | (205) 5665.      |
| (206) 6432000.    | (207) 3391385.   | (208) 732.     | (209) 2192.      |
| (210) 41015.      | (211) 148799.    | (212) 1368.    | (213) 767.       |
| (214) 3072134.    | (215) 7642.      | (216) 5252.    | (217) 45657.     |
| (218) 1773.       | (219) 3968.      | (220) 68089.   | (221) 14180.     |
| (222) 17628.      | (223) 467.       | (224) 362.     | (225) 4599 sovs. |
| (226) 35657.      | (227) 5597604.   | (228) 1008.    | (229) 2309.      |
| (230) 640.        | (231) 365.       | (232) 24224.   | (233) 241558.    |
| (234) 1198193187. | (235) 3686.      | (236) 115967.  | (237) 78.        |
| (238) 21271.      | (239) 106379256. | (240) 431.     | (241) 52.        |
| (242) 8883.       | (243) £338.      | (244) 5259024. | (245) 1406361.   |
| (246) 288.        | (247) 402.       | (248) 68331.   | (249) 62378.     |
| (250) 41307.      |                  |                |                  |

## SIMPLE SUBTRACTION.

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| (1) 253152.   | (2) 450013.   | (3) 61732.    | (4) 524046.   |
| (5) 547177.   | (6) 4292033.  | (7) 5487101.  | (8) 419364.   |
| (9) 218688.   | (10) 4009.    | (11) 817998.  | (12) 122817.  |
| (13) 426518.  | (14) 1063422. | (15) 139708.  | (16) 776998.  |
| (17) 3233267. | (18) 373349.  | (19) 1225478. | (20) 7092198. |

|                  |                  |                  |                 |
|------------------|------------------|------------------|-----------------|
| (21) 1715916.    | (22) 2264718.    | (23) 928159.     | (24) 6337841.   |
| (25) 7943428.    | (26) 1233866.    | (27) 4195665.    | (28) 6248093.   |
| (29) 7139093.    | (30) 9647058.    | (31) 22301647.   | (32) 982693.    |
| (33) 992032.     | (34) 1009401.    | (35) 899990.     | (36) 7065147.   |
| (37) 46926299.   | (38) 11803999.   | (39) 6621988.    | (40) 8514296.   |
| (41) 6779941.    | (42) 5432099.    | (43) 4823188.    | (44) 2177478.   |
| (45) 2312120.    | (46) 9007263.    | (47) 7065094.    | (48) 7326217.   |
| (49) 970309.     | (50) 4581446.    | (51) 2721350.    | (52) 1123828.   |
| (53) 3697717.    | (54) 4548379.    | (55) 505570.     | (56) 4375989.   |
| (57) 4631732.    | (58) 8767889.    | (59) 844920.     | (60) 6760269.   |
| (61) 4198233.    | (62) 44639914.   | (63) 8939980.    | (64) 7973966.   |
| (65) 2681839.    | (66) 1104753.    | (67) 998998.     | (68) 726007.    |
| (69) 8105689.    | (70) 4999089.    | (71) 21278118.   | (72) 4108.      |
| (73) 11197129.   | (74) 1997120.    | (75) 3835961.    | (76) 999009.    |
| (77) 19018689.   | (78) 31807923.   | (79) 667238.     | (80) 2026953.   |
| (81) 35832822.   | (82) 1990996.    | (83) 40791128.   | (84) 35672119.  |
| (85) 1008990.    | (86) 34935497.   | (87) 953369.     | (88) 10670418.  |
| (89) 36363772.   | (90) 11004751.   | (91) 337200910.  |                 |
| (92) 173635437.  | (93) 10959999.   | (94) 34896597.   | (95) 4100305.   |
| (96) 75178031.   | (97) 28785754.   | (98) 17610996.   | (99) 9296625.   |
| (100) 1981899.   | (101) 2807196.   | (102) 1377182.   | (103) 8196155.  |
| (104) 33831094.  | (105) 9831.      | (106) 345409.    | (107) 1999999.  |
| (108) 498693.    | (109) 1999999.   | (110) 4001657.   | (111) 11097821. |
| (112) 26327839.  | (113) 914018.    | (114) 2027208.   |                 |
| (115) 14940316.  | (116) 52180247.  | (117) 7105999.   |                 |
| (118) 3999099.   | (119) 1394997.   | (120) 21093099.  |                 |
| (121) 18507397.  | (122) 4874267.   | (123) 1105325.   |                 |
| (124) 1098987.   | (125) 1999276.   | (126) 23891827.  |                 |
| (127) 37035798.  | (128) 21616867.  | (129) 11636327.  |                 |
| (130) 2805206.   | (131) 57007993.  | (132) 536646436. |                 |
| (133) 101106937. | (134) 687039618. | (135) 237110190. |                 |
| (136) 104307004. | (137) 18203208.  | (138) 10649684.  |                 |
| (139) 19116244.  | (140) 94098999.  | (141) 9859001.   |                 |
| (142) 9096899.   | (143) 98988799.  | (144) 229998985. |                 |
| (145) 563310869. | (146) 179376920. | (147) 17327752.  |                 |
| (148) 91895987.  | (149) 16894008.  | (150) 87024142.  |                 |
| (151) 291973997. | (152) 33591001.  | (153) 98906357.  |                 |
| (154) 5929811.   | (155) 99638436.  | (156) 370985875. |                 |
| (157) 1005998.   | (158) 34074866.  | (159) 999990.    |                 |
| (160) 144095597. | (161) 2643921.   | (162) 835679.    |                 |
| (163) 44851907.  | (164) 3683106.   | (165) 6964940.   |                 |

- (166) 125397843. (167) 143412856. (168) 370298177.  
 (169) 261197629. (170) 57046850. (171) 5718128.  
 (172) 434615576. (173) 155765897. (174) 47426569.  
 (175) 73808647. (176) 260858137. (177) 33013919.  
 (178) 11998822. (179) 180196990. (180) 154517569.  
 (181) 2799988. (182) 864197532. (183) 2607874.  
 (184) 318814605. (185) 26105809. (186) 195670007.  
 (187) 6701739. (188) 1002975. (189) 235740951.  
 (190) 36696941. (191) 32032973. (192) 903.  
 (193) 324999969. (194) 63815307. (195) 784136692.  
 (196) 35898997. (197) 59427970. (198) 265697583.  
 (199) 29697048. (200) 8089394. (201) 3243. (202) 5452.  
 (203) 52866. (204) 62788. (205) 18394. (206) 79314.  
 (207) 39849. (208) 27184. (209) 13338. (210) 1394.  
 (211) 10388. (212) 39038 acres. (213) 42088. (214) 9988.  
 (215) 57 birds. (216) 382. (217) 667447. (218) 40057.  
 (219) 129167. (220) 285042. (221) 413. (222) £34032.  
 (223) 426. (224) 174299. (225) 6023834. (226) 29091.  
 (227) £1489. (228) 2412506. (229) 92. (230) 951219.  
 (231) 15362. (232) 12124. (233) 605483. (234) 586516.  
 (235) 326. (236) 90408. (237) 828477. (238) 969370.  
 (239) 6313602. (240) 6211544. (241) 6615079.  
 (242) the former by 1. (243) 9 years. (244) 21 years.  
 (245) 1815. (246) 13316926. (247) 28177. (248) 5663.  
 (249) 44 yards. (250) 13912.

## SIMPLE MULTIPLICATION.

- (1) 7443390. (2) 11165085. (3) 14886780. (4) 18608475.  
 (5) 22330170. (6) 26051865. (7) 29773560. (8) 33495255.  
 (9) 17953086. (10) 26929629. (11) 35906172. (12) 44882715.  
 (13) 53859258. (14) 62835801. (15) 71812344. (16) 80788887.  
 (17) 5796090. (18) 57960900. (19) 579609000. (20) 11592180.  
 (21) 28980450. (22) 347765400. (23) 5216481000.  
 (24) 40572630. (25) 11063268. (26) 21204597. (27) 41487255.  
 (28) 61769913. (29) 82052571. (30) 919173183. (31) 2408217.  
 (32) 6754755. (33) 13274562. (34) 17758153. (35) 657232365.  
 (36) 812038860. (37) 503352855. (38) 190031925.  
 (39) 8592982446. (40) 14316995064. (41) 45750319830.  
 (42) 56334868710. (43) 185386320. (44) 536711184.  
 (45) 558530640. (46) 719962992. (47) 54893703.

|                    |                    |                    |               |
|--------------------|--------------------|--------------------|---------------|
| (48) 59757702.     | (49) 36827421.     | (50) 840479930.    | (51) 6927168. |
| (52) 6061272.      | (53) 5411850.      | (54) 3030636.      | (55) 7432274. |
| (56) 508951745.    | (57) 449855230.    | (58) 561464882.    |               |
| (59) 292121181.    | (60) 272760823.    | (61) 49417973274.  |               |
| (62) 27259794324.  | (63) 87700309508.  | (64) 2736138750.   |               |
| (65) 1800744116.   | (66) 6586433199.   | (67) 7891509720.   |               |
| (68) 3215703300.   | (69) 4901774760.   | (70) 2539443786.   |               |
| (71) 2611796862.   | (72) 8075005730.   | (73) 12083011416.  |               |
| (74) 41818964400.  | (75) 47507529912.  | (76) 26111642736.  |               |
| (77) 441009036.    | (78) 594442044.    | (79) 501363006.    |               |
| (80) 380605050.    | (81) 783985730.    | (82) 514597768.    |               |
| (83) 216069715.    | (84) 1270152506.   | (85) 580969480.    |               |
| (86) 502335250.    | (87) 258188125.    | (88) 140651984.    |               |
| (89) 530978064.    | (90) 3368917856.   | (91) 252030576.    |               |
| (92) 620545872.    | (93) 1697853040.   | (94) 4284519792.   |               |
| (95) 5054548815.   | (96) 4261551078.   | (97) 5803531209.   |               |
| (98) 846106272.    | (99) 554943488.    | (100) 4956156480.  |               |
| (101) 21697603886. | (102) 36785628404. | (103) 23097449298. |               |
| (104) 877319686.   | (105) 587328648.   | (106) 437617424.   |               |
| (107) 257678064.   | (108) 156403884.   | (109) 250368048.   |               |
| (110) 105030716.   | (111) 635229420.   | (112) 367229800.   |               |
| (113) 309801310.   | (114) 227904516.   | (115) 570175060.   |               |
| (116) 248841278.   | (117) 7705861100.  | (118) 8731761885.  |               |
| (119) 6711526493.  | (120) 5763612736.  | (121) 626654308.   |               |
| (122) 705104841.   | (123) 295119664.   | (124) 552557740.   |               |
| (125) 544662027.   | (126) 389710881.   | (127) 682504389.   |               |
| (128) 777866418.   | (129) 577572100.   | (130) 626770109.   |               |
| (131) 421001350.   | (132) 327476422.   | (133) 280507995.   |               |
| (134) 643666500.   | (135) 751130820.   | (136) 650923425.   |               |
| (137) 581189340.   | (138) 518363895.   | (139) 328446188.   |               |
| (140) 339225310.   | (141) 268657494.   | (142) 202155160.   |               |
| (143) 2238435000.  | (144) 2816006500.  | (145) 6237219500.  |               |
| (146) 3875117875.  | (147) 1918520839.  | (148) 2401417790.  |               |
| (149) 1469017243.  | (150) 873744393.   | (151) 48664576.    |               |
| (152) 15085456.    | (153) 92313664.    | (154) 28876929.    |               |
| (155) 51969681.    | (156) 99740169.    | (157) 39000025.    |               |
| (158) 77369616.    | (159) 1522756.     | (160) 32239684.    |               |
| (161) 1953125.     | (162) 334255384.   | (163) 874805361.   |               |
| (164) 341532099.   | (165) 627222016.   | (166) 29218112.    |               |
| (167) 502459875.   | (168) 647214625.   | (169) 51478848.    |               |
| (170) 997002999.   | (171) 1879080904.  | (172) 95256152263. |               |

- |                         |                         |                      |
|-------------------------|-------------------------|----------------------|
| (173) 354744554039.     | (174) 706633718643.     | (175) 185485563927.  |
| (176) 963259373376.     | (177) 672221376.        | (178) 447697125.     |
| (179) 216973458729.     | (180) 51853389489.      | (181) 211309379856.  |
| (182) 949005240561.     | (183) 8653650625.       | (184) 137552716161.  |
| (185) 570268135921.     | (186) 679740887296.     | (187) 952857108736.  |
| (188) 114478037712481.  | (189) 4104198146048256. |                      |
| (190) 9996000599960001. | (191) 33758471264068.   |                      |
| (192) 5759935172223.    | (193) 6367923228416.    | (194) 2910195338300. |
| (195) 6341789969900.    | (196) 4897462869387.    | (197) 5686417005464. |
| (198) 3030636904785.    | (199) 4696954548467.    | (200) 7902881560070. |
| (201) 1175775.          | (202) 11757750.         | (203) 2351550.       |
| (205) 3527325.          | (206) 5878875.          | (207) 189800500.     |
| (208) 47450125.         | (209) 28470075.         | (210) 237250625.     |
| (211) 142350375.        | (212) 12266750.         | (213) 33120225.      |
| (214) 61333750.         | (215) 245335000.        | (216) 613337500.     |
| (217) 57927500.         | (218) 69513000.         | (219) 34756500.      |
| (220) 20853900.         | (221) 162197000.        | (222) 11769000.      |
| (223) 435453000.        | (224) 82383000.         | (225) 21184200.      |
| (226) 24714900.         | (227) 22493575.         | (228) 32875225.      |
| (229) 397963250.        | (230) 128040350.        | (231) 112467875.     |
| (232) 8099448.          | (233) 15620364.         | (234) 386459376.     |
| (235) 46668248.         | (236) 40834717.         | (237) 40049530.      |
| (238) 71613318.         | (239) 14750916.         | (240) 571954872.     |
| (241) 437055366.        | (242) 40628133.         | (243) 36163503.      |
| (244) 10566291.         | (245) 22025508.         | (246) 32145336.      |
| (247) 699434802.        | (248) 65013858.         | (249) 76444866.      |
| (250) 45009594.         | (251) 39452854.         | (252) 66573144.      |
| (253) 132249680.        | (254) 33902990.         | (255) 40795664.      |
| (256) 30596748.         | (257) 90163250.         | (258) 450816250.     |
| (259) 9016325000.       | (260) 540979500.        | (261) 5860611250.    |
| (262) 15322284.         | (263) 22983426.         | (264) 25820886.      |
| (265) 20193257.         | (266) 259627590.        | (267) 728822500.     |
| (268) 413971180.        | (269) 114529250.        | (270) 35483244.      |
| (271) 70550018.         | (272) 34483995.         | (273) 1461915.       |
| (274) 39639600.         | (275) 13267800.         | (276) 6347250.       |
| (277) 13609440.         | (278) 249218508.        | (279) 368301108.     |
| (280) 311446800.        | (281) 8715276.          | (282) 24339960.      |
| (283) 423986400.        | (284) 22246200.         | (285) 118025.        |
| (286) 467379.           | (287) 38664990.         | (288) 265716764.     |
| (289) 40129500.         | (290) 244660500.        | (291) 2757285.       |
| (292) 477044825.        | (293) 19033465.         | (294) 315867594.     |

|                               |                     |                    |
|-------------------------------|---------------------|--------------------|
| (295) 35614320.               | (296) 115327548.    | (297) 735095277.   |
| (298) 872891271.              | (299) 1775875.      | (300) 1399346879.  |
| (301) 70. (302) 49435.        | (303) 23484927.     | (304) 82280 yards. |
| (305) £126. (306) £279.       | (307) 11617740.     | (308) 372.         |
| (309) 315 miles.              | (310) 72 shillings. | (311) 317 tons.    |
| (312) 1207972575.             | (313) 3392 yards.   | (314) 33103 feet.  |
| (315) 2088 gallons.           | (316) 64548.        | (317) 38226.       |
| (318) 27463640.               | (319) 137926302.    | (320) £2652.       |
| (321) 4757.                   | (322) 26838.        | (323) 362880.      |
| (324) 8760 hours.             | (325) 1128 hours.   | (326) 524697.      |
| (327) 110889.                 | (328) £30485.       | (329) £5628.       |
| (330) £44. (331) 45458609808. | (332) 329770.       | (333) 10176 lbs.   |
| (334) 42125.                  | (335) 70908.        | (336) 1143.        |
| (337) 2141 lbs.               | (338) 8091900.      | (339) 1120500.     |
| (340) 216 lines.              | (341) 118368.       | (342) 574145 tons. |
| (343) 482937340.              | (344) 149850 yards. | (345) 1000000.     |
| (346) 457370.                 | (347) 55219286304.  | (348) 5676.        |
| (349) 321102.                 | (350) £10.          |                    |

## SIMPLE DIVISION.

|                  |                  |                  |               |
|------------------|------------------|------------------|---------------|
| (1) 1458219.     | (2) 972146.      | (3) 729109—2.    | (4) 583287—3. |
| (5) 486073.      | (6) 416634.      | (7) 364554—6.    | (8) 324048—6. |
| (9) 37530691.    | (10) 25020460—2. | (11) 18765345—2. |               |
| (12) 15012276—2. | (13) 12510230—2. | (14) 10723054—4. |               |
| (15) 9382672—6.  | (16) 8340153—5.  | (17) 23658464.   |               |
| (18) 15772309—1. | (19) 11829232.   | (20) 9463385—3.  |               |
| (21) 7886154—4.  | (22) 6759561—1.  | (23) 5914616.    |               |
| (24) 5257436—4.  | (25) 49937515—1. | (26) 33291677.   |               |
| (27) 24968757—3. | (28) 19975006—1. | (29) 16645838—3. |               |
| (30) 14267861—4. | (31) 12484378—7. | (32) 11097225—6. |               |
| (33) 26081923—1. | (34) 17387949.   | (35) 13040961—3. |               |
| (36) 10432769—2. | (37) 8693974—3.  | (38) 7451978—1.  |               |
| (39) 6520480—7.  | (40) 5795983.    | (41) 15510380—1. |               |
| (42) 10340253—2. | (43) 7755190—1.  | (44) 6204152—1.  |               |
| (45) 5170126—5.  | (46) 4431537—2.  | (47) 3877595—1.  |               |
| (48) 3446751—2.  | (49) 3102076—1.  | (50) 41075791—1. |               |
| (51) 27383861.   | (52) 20537895—3. | (53) 16430316—3. |               |
| (54) 13691930—3. | (55) 11735940—3. | (56) 10268947—7. |               |
| (57) 9127953—6.  | (58) 8215158—3.  | (59) 357310—13.  |               |
| (60) 238207—3.   | (61) 178655—13.  | (62) 142924—13.  |               |
| (63) 119103—33.  | (64) 102088—53.  | (65) 89327—53.   |               |
| (66) 79402—33.   | (67) 244779—12.  | (68) 156659—1.   |               |

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|--------------------|--------------------|--------------------|
| (69) 111899—11.    | (70) 48351—45.     | (71) 69937—4.      |
| (72) 547597—9.     | (73) 456331—6.     | (74) 342248—12.    |
| (75) 586711—10.    | (76) 228165—24.    | (77) 44018—21.     |
| (78) 29956—71.     | (79) 25677—35.     | (80) 19608—23.     |
| (81) 43138—3.      | (82) 272088—12.    | (83) 105812—12.    |
| (84) 57715—75.     | (85) 90696—12.     | (86) 52906—12.     |
| (87) 200355—38.    | (88) 127499—14.    | (89) 103888—20.    |
| (90) 58437—20.     | (91) 311664—20.    | (92) 111656—47.    |
| (93) 59058—13.     | (94) 59550—31.     | (95) 223313—15.    |
| (96) 127607—39.    | (97) 73001—26.     | (98) 87829—47.     |
| (99) 69396—27.     | (100) 52047—27.    | (101) 200753—19.   |
| (102) 247854—15.   | (103) 212447.      | (104) 202790—7.    |
| (105) 46472—75.    | (106) 33798—51.    | (107) 95386—11.    |
| (108) 68132—101.   | (109) 72999—59.    | (110) 49680—41.    |
| (111) 13972—297.   | (112) 60511—95.    | (113) 48409—60.    |
| (114) 47064—115.   | (115) 44123—19.    | (116) 67235—25.    |
| (117) 8215—613.    | (118) 6846—445.    | (119) 7188—733.    |
| (120) 14937—319.   | (121) 28755—13.    | (122) 2961—494.    |
| (123) 11423—116.   | (124) 4895—368.    | (125) 4997—359.    |
| (126) 3454—313.    | (127) 60816448—1.  | (128) 46506695—10. |
| (129) 41611253—18. | (130) 34374514—3.  | (131) 27262545—20. |
| (132) 25503671—24. | (133) 16821570—35. | (134) 14917241—52. |
| (135) 10007769—74. | (136) 9525467—64.  | (137) 25029851—26. |
| (138) 10405668—61. | (139) 9547469—20.  | (140) 18158912—1.  |
| (141) 10768657—11. | (142) 12185585—53. | (143) 8991305—98.  |
| (144) 7529304—121. | (145) 4267762—159. | (146) 13043725—38. |
| (147) 605744—545.  | (148) 845835—52.   | (149) 680076—121.  |
| (150) 509357—364.  | (151) 3286032—1.   | (152) 132584—69.   |
| (153) 60842—451.   | (154) 189836—125.  | (155) 420644—97.   |
| (156) 302951—70.   | (157) 148442—103.  | (158) 79247—327.   |
| (159) 74142—695.   | (160) 223608—257.  | (161) 98475—494.   |
| (162) 75932—601.   | (163) 76983—308.   | (164) 137223—335.  |
| (165) 85239—191.   | (166) 110672—177.  | (167) 866311—51.   |
| (168) 826481—17.   | (169) 807908—52.   | (170) 419658—75.   |
| (171) 269260—133.  | (172) 246466—39.   | (173) 653770—71.   |
| (174) 875388—7.    | (175) 521695—96.   | (176) 582277—80.   |
| (177) 371088—167.  | (178) 606950—51.   | (179) 899194—469.  |
| (180) 825302—383.  | (181) 922459—504.  | (182) 57752—254.   |
| (183) 73954—200.   | (184) 50083—445.   | (185) 8637—32.     |
| (186) 9621—653.    | (187) 1721—165.    | (188) 22151—637.   |
| (189) 56202—42.    | (190) 15783—1608.  | (191) 6564—2082.   |

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|---------------------------------|-------------------|------------------------|
| (192) 10004—370.                | (193) 7817—7703.  | (194) 10001—4155.      |
| (195) 12071—16711.              | (196) 21516—1275. | (197) 5548—647.        |
| (198) 10002—2105.               | (199) 739—2123.   | (200) 1289—558.        |
| (201) 65292—46.                 | (202) 41816—66.   | (203) 3759—280.        |
| (204) 7297—220.                 | (205) 31274—84.   | (206) 6859—69.         |
| (207) 595—612.                  | (208) 542—602.    | (209) 103—3522.        |
| (210) 2737—136.                 | (211) 80—169.     | (212) 251—1544.        |
| (213) 29—1499.                  | (214) 42—6389.    | (215) 922—105.         |
| (216) 1640—306.                 | (217) 81—4246.    | (218) 3208—106.        |
| (219) 368—626.                  | (220) 417—1330.   | (221) 5975—83.         |
| (222) 592—200.                  | (223) 59—1667.    | (224) 812—472.         |
| (225) 113—5138.                 | (226) 7572—538.   | (227) 386—5562.        |
| (228) 775—3662.                 | (229) 1414—2196.  | (230) 130—3362.        |
| (231) 2613—8061.                | (232) 13917—636.  | (233) 7852—391.        |
| (234) 53313—456.                | (235) 116028—87.  | (236) 3677—1062.       |
| (237) 8691—843.                 | (238) 95—29531.   | (239) 357—441.         |
| (240) 158—58991.                | (241) 15691—6.    | (242) 7845—131.        |
| (243) 3922—381.                 | (244) 104—11381.  | (245) 1743—506.        |
| (246) 15303—136.                | (247) 4915—334.   | (248) 61213—17.        |
| (249) 6509—793.                 | (250) 20347—138.  | (251) 72773—34.        |
| (252) 7211—772.                 | (253) 720—5281.   | (254) 721—1771.        |
| (255) 727—7261.                 | (256) 188864—21.  | (257) 94432—21.        |
| (258) 62954—71.                 | (259) 37772—121.  | (260) 9443—121.        |
| (261) 39372—108.                | (262) 7291—183.   | (263) 9374—258.        |
| (264) 729—858.                  | (265) 3028—1108.  | (266) 16706—123.       |
| (267) 14319—393.                | (268) 10159—171.  | (269) 9319—571.        |
| (270) 637—7813.                 | (271) 5867—11.    | (272) 581—425.         |
| (273) 3319—19.                  | (274) 1366—294.   | (275) 691—404.         |
| (276) 3—180.                    | (277) 134—1076.   | (278) 137—180.         |
| (279) 23—7169.                  | (280) 23—6939.    | (281) 86—1564.         |
| (282) 110—4444.                 | (283) 1091—252.   | (284) 98—3184.         |
| (285) 766—430.                  | (286) 1827—85.    | (287) 961—360.         |
| (288) 2030—85.                  | (289) 1305—85.    | (290) 936—67.          |
| (291) 25942—88.                 | (292) 2640—646.   | (293) 22388—154.       |
| (294) 13433—81.                 | (295) 6716—446.   | (296) 47328—21.        |
| (297) 5921—942.                 | (298) 392—11325.  | (299) 820—4641.        |
| (300) 70—35531.                 | (301) 1010 times. | (302) 449.             |
| (303) 11704 times.              |                   | (304) 12885907.        |
| (305) 74376 times and 1011 rem. | (306) £804.       | (307) £1783.           |
| (308) 73298 dozens.             | (309) 2880.       | (310) 117360.          |
| (311) 27027 times.              | (312) 5 seconds.  | (313) 3245 and 17 rem. |

- (314) 171498 and 22 rem. (315) 430355. (316) 93.  
 (317) 195063. (318) 10101 times. (319) 1000 cwts.  
 (320) 201 yards. (321) 219 qrs. 15 pecks. (322) 1901, 1901, and 2104.  
 (323) 58 tons. (324) 34783. (325) 1908. (326) 24 dozens.  
 (327) 56160. (328) 20700. (329) £1859. (330) 27 times.  
 (331) 40299. (332) 1013 times. (333) 4780. (334) 66 lbs.  
 (335) 38955 feet. (336) 27 gallons. (337) 209 and 584 rem.  
 (338) 261 and 8 rem. (339) 6 gross. (340) 894.  
 (341) 33 shillings. (342) 18016378. (343) 3016. (344) 100031.  
 (345) 40704. (346) £850. (347) 36. (348) 419 and 481.  
 (349) 26109. (350) 45.

## REDUCTION OF MONEY.

- (1) 260. (2) 396. (3) 353. (4) 2079. (5) 1710.  
 (6) 2276. (7) 3271. (8) 4756. (9) 28012. (10) 17669.  
 (11) 1211. (12) 1600. (13) 2101. (14) 323. (15) 18277.  
 (16) 3738. (17) 4005. (18) 6571. (19) 16981. (20) 9210.  
 (21) 8335. (22) 109814. (23) 36807. (24) 106597.  
 (25) 88706. (26) 4170. (27) 723. (28) 947. (29) 3196.  
 (30) 52233. (31) 295. (32) 679. (33) 1300. (34) 1034.  
 (35) 787. (36) 116. (37) 1168. (38) 431. (39) 408.  
 (40) 75. (41) 77. (42) 88. (43) 78. (44) 30. (45) 627.  
 (46) 67. (47) 26053. (48) 877. (49) 539. (50) 73594.  
 (51) £24. 16. 0. (52) £15. 19. 0. (53) £20. 7. 0. (54) 71s. 10d.  
 (55) 86s. 5d. (56) £386. 18. 8. (57) £298. 6. 4.  
 (58) £127. 12. 0. (59) £8. 6. 4. (60) £226. 10. 2.  
 (61) £292. 11. 1. (62) £144. 13. 7. (63) £6. 7. 7.  
 (64) £4. 2. 0½. (65) £75. 2. 8¼. (66) £71. 3. 5.  
 (67) £41. 19. 11. (68) £18. 0. 2¾. (69) £321. 0. 0½.  
 (70) £614. 11. 8½. (71) 1305 h. cr. 11d. (72) 141 h. sov. 83d.  
 (73) 160 cr. 5d. (74) 67 g. 227d. (75) 71 h. g. 91d.  
 (76) £73. 6. 5¾. (77) £3. 10. 0¾. (78) £2. 0. 10½.  
 (79) 14 h. sov. 306 f. (80) 4 cr. 196 f. (81) 95 g. 242 f.  
 (82) 1066560. (83) 283890. (84) 858720. (85) £12. 9. 11.  
 (86) 14 h. sov. 280 f. (87) £34. 4. 6. (88) 4496 h. gs.  
 (89) 1427 h. crs. (90) 47 gs. 35 sixp. (91) £398. (92) £143.  
 (93) 329 h. sov. 2 h. c. (94) £96. 2 f. (95) 62 gs. 4s.  
 (96) £17. 39 thr. (97) 36 gs. 62 thr. (98) 19 h. sov. 36 thr.  
 (99) 198s. 2 fp. (100) 49 cr. 4 fp. (101) £31. 17 fp.  
 (102) 15 gs. 17 fp. (103) 205 h. cr. 1 sixp. (104) 13 sixp. 7 f.

|                             |                           |                        |
|-----------------------------|---------------------------|------------------------|
| (105) 3240.                 | (106) 334 gs. 6s.         | (107) 93 gs. 17s.      |
| (108) £92. 2. 9.            | (109) 1822 fl. 1s.        | (110) 960.             |
| (111) 2799 sixp. 2d.        | (112) 1261.               | (113) 639.             |
| (115) 41.                   | (116) 180 h. gs. 14 sixp. | (117) £1151. 7 h. cr.  |
| (118) £351. 1. 0.           | (119) 4 gs. 188d.         | (120) £3193. 1. 0.     |
| (121) £2061. 3 0.           | (122) £3788. 8. 0.        | (123) £608. 9. 6.      |
| (124) £2028. 12. 0.         | (125) £147.               | (126) £49.             |
| (128) £227. 7. 6.           | (129) £4. 13. 0.          | (127) £98. 2. 6.       |
| (131) £7. 17. 4.            | (132) £5. 6. 4.           | (130) £11. 6. 6.       |
| (134) £69. 2. 0.            | (135) £99. 18. 0.         | (133) £24. 2. 1.       |
| (137) £6. 12. 4.            | (138) £257. 18. 0.        | (136) £11. 17. 8.      |
| (140) £160.                 | (141) £586. 13. 4.        | (139) £180. 9. 6.      |
| (144) £499.                 | (142) £147. 6. 8.         | (143) £315.            |
| (147) £684.                 | (145) £1172. 13. 4.       | (146) £2307. 6. 8.     |
| (150) £502. 4. 0.           | (148) £530. 13. 4.        | (149) £579. 3. 0.      |
| (153) £71. 1. 0½.           | (151) £277. 16. 8½.       | (152) £55. 3. 7.       |
| (156) £3686. 0. 10.         | (154) £1583. 6. 8.        | (155) £625.            |
| (159) £65. 15. 5.           | (157) £655. 8. 4.         | (158) £3. 2. 6.        |
| (162) 3465540 cents.        | (160) £6075. 6. 6½.       | (161) 4800 dols.       |
| (165) 4473 dols. 1 c.       | (163) 629 nobles.         | (164) 3426 dols. 80 c. |
| (168) £468. 15. 0.          | (166) 2064.               | (167) 2098.            |
| (171) £46. 17. 6.           | (169) £11723. 15. 0.      | (170) £15000. 9. 4½.   |
| (174) £670. 3. 4.           | (172) £20. 1. 3.          | (173) £7610. 13. 9.    |
| (177) £5200. 18. 0.         | (175) £3210. 3. 4.        | (176) £1215. 16. 8.    |
| (180) £2644. 5. 3¾.         | (178) £472. 10. 0.        | (179) £890. 12. 6.     |
| (183) £6106. 6. 9¾.         | (181) £4680. 4. 8¾.       | (182) £322. 19. 9.     |
| (186) £250.                 | (184) £7249. 13. 9.       | (185) £166. 13. 4.     |
| (189) £6666. 13. 4.         | (187) £3333. 6. 8.        | (188) £5000.           |
| (192) £20. 16. 8.           | (190) £13500. 0. 0.       | (191) £395. 16. 8.     |
| (195) £104. 3. 4.           | (193) £2083. 6. 8.        | (194) £1562. 10. 0.    |
| (198) 2510 francs.          | (196) £989. 11. 8.        | (197) £1031. 5. 0.     |
| (201) 4094 farthings.       | (199) 1521 dols.          | (200) 480000 piastres. |
| (204) 5 guineas.            | (202) 630 francs.         | (203) £4. 11. 1.       |
| (207) 125 h. sov. 112 h. p. | (205) £6. 6. 4.           | (206) £4. 10. 1½.      |
| (211) 6758.                 | (208) 73.                 | (209) 559.             |
| (215) 8420.                 | (210) 96000.              | (211) 13220.           |
| (219) £1300. 8. 10.         | (212) 126 times.          | (213) 1425.            |
| (223) £12. 11. 1.           | (216) 132.                | (214) 13220.           |
| (226) £20. 19. 4½.          | (217) £2. 18. 8.          | (215) 8420.            |
| (230) 24 times.             | (218) £10. 12. 11.        | (216) 132.             |
| (233) 75885.                | (219) £1300. 8. 10.       | (217) £2. 18. 8.       |
|                             | (220) 123.                | (218) £10. 12. 11.     |
|                             | (221) 17 hours.           | (219) £1300. 8. 10.    |
|                             | (222) £125000.            | (220) 123.             |
|                             | (223) £12. 11. 1.         | (221) 17 hours.        |
|                             | (224) £3638. 17. 6.       | (222) £125000.         |
|                             | (225) 21 persons.         | (223) £12. 11. 1.      |
|                             | (226) £20. 19. 4½.        | (224) £3638. 17. 6.    |
|                             | (227) £9. 19. 4.          | (225) 21 persons.      |
|                             | (228) £78. 5. 0.          | (226) £20. 19. 4½.     |
|                             | (229) 20.                 | (227) £9. 19. 4.       |
|                             | (230) 24 times.           | (228) £78. 5. 0.       |
|                             | (231) £76. 9. 6.          | (229) 20.              |
|                             | (232) £1976. 10. 6.       | (230) 24 times.        |
|                             | (233) 960.                | (231) £76. 9. 6.       |
|                             |                           | (232) £1976. 10. 6.    |
|                             |                           | (233) 960.             |

- (237) 7s.      (238) £605.      (239) £2. 4. 6.      (240) £614. 11. 8.  
 (241) 1265.      (242) 253 times.      (243) £876. 6. 9.      (244) 435.  
 (245) £20. 13. 7.      (246) 16s. 5 $\frac{3}{4}$ d.      (247) £3268. 13. 4.  
 (248) 560.      (249) £1363. 15. 9.      (250) £4. 4. 1.

## COMPOUND ADDITION (MONEY).

- |  |                                    |                                    |
|--|------------------------------------|------------------------------------|
| (1) £66. 5. 11.                        | (2) £67. 3. 11.                    | (3) £49. 7. 5.                     |
| (4) £133. 17. 0.                       | (5) £232. 16. 7.                   | (6) £92. 16. 9.                    |
| (7) £122. 13. 6 $\frac{1}{2}$ .        | (8) £534. 10. 5.                   | (9) £327. 14. 0 $\frac{1}{4}$ .    |
| (10) £72. 6. 2 $\frac{3}{4}$ .         | (11) £1145. 4. 8 $\frac{1}{2}$ .   | (12) £445. 13. 5.                  |
| (13) £808. 8. 10.                      | (14) £616. 7. 0 $\frac{1}{4}$ .    | (15) £1111. 15. 8 $\frac{1}{2}$ .  |
| (16) £1122. 14. 5 $\frac{1}{2}$ .      | (17) £2371. 6. 10 $\frac{3}{4}$ .  | (18) £506. 9. 4 $\frac{3}{4}$ .    |
| (19) £3953. 7. 0 $\frac{1}{4}$ .       | (20) £22850. 15. 4 $\frac{3}{4}$ . | (21) £9915. 5. 4 $\frac{1}{2}$ .   |
| (22) £775. 15. 1.                      | (23) £19251. 13. 4.                | (24) £660. 17. 8 $\frac{3}{4}$ .   |
| (25) £1550. 10. 11 $\frac{1}{2}$ .     | (26) £5603. 0. 7.                  | (27) £628. 5. 5 $\frac{3}{4}$ .    |
| (28) £1658. 18. 2 $\frac{3}{4}$ .      | (29) £2487. 15. 3 $\frac{3}{4}$ .  | (30) £1536. 6. 11 $\frac{1}{4}$ .  |
| (31) £3. 8. 6.                         | (32) £3. 17. 11.                   | (33) £2. 16. 7.                    |
| (34) £3. 9. 6.                         |                                    |                                    |
| (35) £3. 14. 10.                       | (36) £2. 14. 8.                    | (37) £2. 18. 9.                    |
| (38) £2. 19. 1.                        | (39) £3. 2. 11.                    | (40) £2. 16. 5.                    |
| (41) £3. 11. 2 $\frac{3}{4}$ .         | (42) £4. 9. 1 $\frac{1}{4}$ .      | (43) £6. 11. 4 $\frac{3}{4}$ .     |
| (44) £6. 9. 10.                        | (45) £7. 8. 8 $\frac{3}{4}$ .      | (46) £4. 11. 1.                    |
| (47) £5. 10. 10 $\frac{1}{2}$ .        | (48) £6. 5. 1.                     | (49) £8. 10. 0 $\frac{3}{4}$ .     |
| (50) £6. 6. 7 $\frac{1}{4}$ .          | (51) £12. 10. 10.                  | (52) £11. 19. 11 $\frac{1}{4}$ .   |
| (53) £13. 5. 11 $\frac{3}{4}$ .        | (54) £10. 0. 8 $\frac{3}{4}$ .     | (55) £12. 18. 1 $\frac{3}{4}$ .    |
| (56) £14. 17. 3 $\frac{3}{4}$ .        | (57) £14. 18. 6 $\frac{1}{4}$ .    | (58) £13. 14. 0 $\frac{3}{4}$ .    |
| (59) £12. 12. 7 $\frac{3}{4}$ .        | (60) £7. 17. 0 $\frac{1}{2}$ .     | (61) £15. 0. 8.                    |
| (62) £9. 6. 2 $\frac{1}{2}$ .          | (63) £12. 2. 5 $\frac{1}{4}$ .     | (64) £18. 13. 8 $\frac{1}{4}$ .    |
| (65) £206. 12. 5.                      | (66) £155. 19. 0.                  | (67) £245. 14. 5 $\frac{3}{4}$ .   |
| (68) £516. 9. 7 $\frac{1}{4}$ .        | (69) £446. 10. 0.                  | (70) £440. 10. 5 $\frac{1}{4}$ .   |
| (71) £185. 18. 0.                      | (72) £480. 18. 2 $\frac{1}{4}$ .   | (73) £484. 2. 1.                   |
| (74) £188. 17. 0 $\frac{1}{4}$ .       | (75) £5237. 4. 0 $\frac{1}{4}$ .   | (76) £7464. 18. 8 $\frac{3}{4}$ .  |
| (77) £4891. 12. 0 $\frac{1}{4}$ .      | (78) £5652. 6. 9.                  | (79) £3024. 10. 3 $\frac{1}{4}$ .  |
| (80) £1970. 18. 11 $\frac{1}{2}$ .     | (81) £5268. 14. 4 $\frac{3}{4}$ .  | (82) £2178. 13. 1 $\frac{1}{4}$ .  |
| (83) £2298. 16. 0 $\frac{3}{4}$ .      | (84) £7993. 11. 11 $\frac{3}{4}$ . | (85) £69302. 2. 1 $\frac{1}{2}$ .  |
| (86) £44399. 6. 8 $\frac{3}{4}$ .      | (87) £41992. 10. 6.                | (88) £50417. 8. 6 $\frac{1}{4}$ .  |
| (89) £37180. 19. 5 $\frac{1}{2}$ .     | (90) £54816. 12. 5 $\frac{1}{2}$ . | (91) £76673. 2. 2 $\frac{3}{4}$ .  |
| (92) £20292. 14. 9 $\frac{1}{2}$ .     | (93) £19366. 18. 11.               | (94) £55544. 19. 9.                |
| (95) £49860165. 16. 11 $\frac{1}{4}$ . | (96) £11646340. 9. 7.              |                                    |
| (97) £47466078. 9. 7 $\frac{1}{4}$ .   | (98) £8529883. 6. 4.               | (99) £907237. 3. 3 $\frac{3}{4}$ . |
| (100) £4850186. 1. 11 $\frac{1}{2}$ .  | (101) £236. 13. 1.                 | (102) £115. 3. 9 $\frac{1}{4}$ .   |

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|-----------------------------------|------------------------------------|-----------------------------------|
| (103) £31. 19. 6 $\frac{3}{4}$ .  | (104) 130701. 1. 6 $\frac{1}{2}$ . | (105) £67. 1. 2 $\frac{3}{4}$ .   |
| (106) £106. 19. 0.                | (107) £16890. 8. 6.                | (108) £233. 2. 2 $\frac{1}{2}$ .  |
| (109) £3. 11. 6 $\frac{1}{4}$ .   | (110) £27. 11. 6 $\frac{1}{2}$ .   | (111) £64. 10. 10 $\frac{1}{4}$ . |
| (112) £436. 11. 3 $\frac{3}{4}$ . | (113) £8939. 17. 2.                | (114) £1182. 16. 0.               |
| (115) £43. 1. 9 $\frac{3}{4}$ .   | (116) £28602. 16. 9.               | (117) £10. 4. 9.                  |
| (118) £143. 3. 2.                 | (119) £10. 18. 8 $\frac{3}{4}$ .   | (120) £19. 17. 11.                |
| (121) £162. 1. 10 $\frac{1}{4}$ . | (122) £19. 6. 7 $\frac{3}{4}$ .    | (123) £13. 15. 11.                |
| (124) 5 times.                    | (125) £3225. 11. 1 $\frac{3}{4}$ . | (126) £36. 16. 3.                 |
| (127) £40. 11. 4 $\frac{1}{4}$ .  | (128) £3. 6. 6.                    | (129) £25. 17. 5 $\frac{1}{2}$ .  |
| (130) £14. 14. 2 $\frac{3}{4}$ .  | (131) £1. 14. 3 $\frac{1}{2}$ .    | (132) £11. 10. 9 $\frac{3}{4}$ .  |
| (133) £35. 2. 3 $\frac{1}{4}$ .   | (134) £150. 12. 3.                 | (135) £4. 13. 6.                  |
| (136) £3. 3. 8 $\frac{1}{4}$ .    | (137) £29. 15. 1.                  | (138) £146. 1. 6 yearly.          |
| (139) £63. 2. 8 $\frac{1}{2}$ .   | (140) £17. 17. 6.                  | (141) £41. 13. 0.                 |
| (142) £1153. 11. 6.               | (143) £25. 14. 1.                  | (144) £127. 8. 2 $\frac{1}{4}$ .  |
| (145) £932. 13. 0.                | (146) £56. 15. 7 $\frac{1}{4}$ .   | (147) £1707. 8. 8.                |
| (148) £5. 8. 0.                   | (149) £27. 0. 3 $\frac{1}{4}$ .    | (150) £51. 5. 7 $\frac{3}{4}$ .   |

COMPOUND SUBTRACTION (MONEY).

- |                                   |                                   |                                   |                |
|-----------------------------------|-----------------------------------|-----------------------------------|----------------|
| (1) £4. 5. 2.                     | (2) £86. 1. 4.                    | (3) £46. 2. 7.                    | (4) £23. 2. 4. |
| (5) £27. 5. 3.                    | (6) £14. 3. 11.                   | (7) £5. 1. 10.                    | (8) £4. 4. 10. |
| (9) £5. 0. 11.                    | (10) £2. 5. 7.                    | (11) £67. 19. 10.                 |                |
| (12) £42. 17. 9.                  | (13) £72. 18. 5.                  | (14) £42. 19. 4.                  |                |
| (15) £59. 17. 9.                  | (16) £1. 19. 9 $\frac{1}{4}$ .    | (17) £1. 18. 8 $\frac{1}{4}$ .    |                |
| (18) £2. 3. 4 $\frac{3}{4}$ .     | (19) £12. 17. 9.                  | (20) £25. 2. 9 $\frac{1}{4}$ .    |                |
| (21) £67. 15. 9 $\frac{3}{4}$ .   | (22) £35. 13. 10 $\frac{3}{4}$ .  | (23) £58. 1. 7 $\frac{1}{2}$ .    |                |
| (24) £93. 17. 4 $\frac{3}{4}$ .   | (25) £215. 11. 9 $\frac{1}{2}$ .  | (26) £58. 11. 2 $\frac{1}{2}$ .   |                |
| (27) £82. 19. 2 $\frac{3}{4}$ .   | (28) £300. 19. 11 $\frac{1}{2}$ . | (29) £88. 2. 6 $\frac{3}{4}$ .    |                |
| (30) £41. 6. 10 $\frac{3}{5}$ .   | (31) £18. 18. 8 $\frac{3}{4}$ .   | (32) £4. 4. 6 $\frac{1}{2}$ .     |                |
| (33) £250. 5. 9 $\frac{1}{2}$ .   | (34) £79. 18. 11.                 | (35) £10. 7. 9 $\frac{1}{4}$ .    |                |
| (36) £60. 18. 7 $\frac{1}{2}$ .   | (37) £1031. 15. 8 $\frac{1}{2}$ . | (38) £283. 10. 7 $\frac{3}{4}$ .  |                |
| (39) £890. 11. 6 $\frac{3}{4}$ .  | (40) £125. 3. 11.                 | (41) £328. 10. 9 $\frac{3}{4}$ .  |                |
| (42) £234. 13. 7 $\frac{1}{4}$ .  | (43) £374. 12. 5 $\frac{1}{2}$ .  | (44) £6. 10. 11 $\frac{3}{4}$ .   |                |
| (45) £25. 13. 3 $\frac{1}{4}$ .   | (46) £472. 17. 8 $\frac{1}{2}$ .  | (47) £30. 9. 7 $\frac{1}{4}$ .    |                |
| (48) £1. 13. 6 $\frac{3}{4}$ .    | (49) £214. 12. 8 $\frac{1}{4}$ .  | (50) £999. 1. 9 $\frac{1}{4}$ .   |                |
| (51) £566. 6. 9 $\frac{1}{2}$ .   | (52) £592. 17. 11.                | (53) £70. 2. 2 $\frac{3}{4}$ .    |                |
| (54) £505. 9. 9 $\frac{1}{4}$ .   | (55) £6612. 15. 1 $\frac{3}{4}$ . | (56) £296. 12. 10 $\frac{1}{2}$ . |                |
| (57) £213. 6. 8 $\frac{1}{2}$ .   | (58) £99. 8. 1 $\frac{1}{4}$ .    | (59) £46. 15. 0 $\frac{1}{4}$ .   |                |
| (60) £1902. 12. 5 $\frac{3}{4}$ . | (61) £37. 17. 11.                 | (62) £877. 16. 5 $\frac{1}{4}$ .  |                |
| (63) 19s. 11 $\frac{1}{2}$ d.     | (64) £677. 12. 11.                | (65) £99. 6. 11 $\frac{3}{4}$ .   |                |
| (66) £531. 16. 11 $\frac{1}{4}$ . | (67) £944. 19. 11 $\frac{1}{2}$ . | (68) £591. 0. 1 $\frac{1}{4}$ .   |                |

- (69) £527. 16. 6 $\frac{3}{4}$ . (70) £539. 13. 10 $\frac{3}{4}$ . (71) £9. 18. 1 $\frac{3}{4}$ .  
 (72) £129. 10. 6. (73) £1816. 6. 10 $\frac{3}{4}$ . (74) £673. 19. 10.  
 (75) £41. 18. 3 $\frac{3}{4}$ . (76) £1707. 16. 7. (77) £2157. 9. 10 $\frac{3}{4}$ .  
 (78) £310. 6. 10 $\frac{3}{4}$ . (79) £282. 5. 4 $\frac{3}{4}$ . (80) £799. 13. 8 $\frac{3}{4}$ .  
 (81) £81. 8. 4 $\frac{1}{2}$ . (82) £1684. 7. 9 $\frac{3}{4}$ . (83) £278. 14. 10.  
 (84) £1002. 18. 10 $\frac{1}{4}$ . (85) £950. 2. 5 $\frac{3}{4}$ . (86) £291. 18. 10 $\frac{3}{4}$ .  
 (87) £326. 17. 5 $\frac{1}{2}$ . (88) £426. 1. 8 $\frac{3}{4}$ . (89) £82. 19. 6 $\frac{3}{4}$ .  
 (90) £295. 4. 9 $\frac{1}{2}$ . (91) £213. 16. 10 $\frac{1}{4}$ . (92) £566. 19. 10 $\frac{3}{4}$ .  
 (93) £1124. 13. 11 $\frac{3}{4}$ . (94) £164. 4. 9 $\frac{1}{2}$ . (95) £71. 0. 6 $\frac{3}{4}$ .  
 (96) £575. 6. 8. (97) £2264. 14. 2 $\frac{3}{4}$ . (98) £8712. 17. 0 $\frac{3}{4}$ .  
 (99) £159. 9. 6 $\frac{1}{2}$ . (100) £924. 12. 8 $\frac{1}{2}$ . (101) £8462. 1. 1 $\frac{3}{4}$ .  
 (102) £910. 12. 11 $\frac{3}{4}$ . (103) £676. 14. 9 $\frac{3}{4}$ . (104) £90. 18. 4 $\frac{1}{2}$ .  
 (105) £7937. 3. 11. (106) £725. 11. 6. (107) £299. 16. 10 $\frac{3}{4}$ .  
 (108) £1788. 17. 8 $\frac{3}{4}$ . (109) £1691. 13. 9 $\frac{3}{4}$ . (110) £904. 12. 0 $\frac{1}{2}$ .  
 (111) £9079. 12. 10. (112) £12705. 14. 6 $\frac{3}{4}$ . (113) £41001. 9. 10 $\frac{1}{2}$ .  
 (114) £45114. 15. 3 $\frac{3}{4}$ . (115) £186421. 8. 6 $\frac{1}{2}$ .  
 (116) £233588. 16. 10 $\frac{1}{2}$ . (117) £88966. 3. 9. (118) £22187. 7. 8 $\frac{3}{4}$ .  
 (119) £722888. 9. 1 $\frac{1}{2}$ . (120) £117018. 18. 6 $\frac{3}{4}$ .  
 (121) £34889. 19. 3 $\frac{1}{4}$ . (122) £91736. 6. 5 $\frac{3}{4}$ . (123) £179947. 3. 11.  
 (124) £858264. 7. 11. (125) £642719. 19. 10.  
 (126) £585127. 18. 11 $\frac{3}{4}$ . (127) £233387. 12. 6.  
 (128) £118304. 18. 10. (129) £200286. 16. 4 $\frac{3}{4}$ .  
 (130) £78904. 17. 5 $\frac{1}{2}$ . (131) £889988. 14. 7.  
 (132) £231946. 12. 2 $\frac{3}{4}$ . (133) £170636. 4. 11.  
 (134) £39093. 7. 8 $\frac{1}{2}$ . (135) £31824. 6. 2 $\frac{3}{4}$ .  
 (136) £327035. 16. 8 $\frac{1}{4}$ . (137) £778200. 18. 9.  
 (138) £91734. 13. 5 $\frac{3}{4}$ . (139) £651901. 17. 6 $\frac{3}{4}$ .  
 (140) £216494. 0. 8. (141) £91881. 5. 0 $\frac{1}{4}$ . (142) £110119. 18. 7 $\frac{1}{2}$ .  
 (143) £192316. 9. 6 $\frac{1}{2}$ . (144) £826975. 9. 10 $\frac{3}{4}$ .  
 (145) £110949. 16. 10 $\frac{1}{2}$ . (146) £880647. 12. 8 $\frac{3}{4}$ .  
 (147) £211094. 7. 11. (148) £1039863. 19. 6.  
 (149) £115951. 12. 6. (150) £1227436. 15. 9 $\frac{3}{4}$ . (151) 19s. 0 $\frac{1}{2}$ d.  
 (152) £98. 13. 6 $\frac{1}{2}$ . (153) £3. 4. 3 $\frac{1}{2}$ . (154) £45. 14. 9 $\frac{3}{4}$ .  
 (155) £10. 17. 0 $\frac{3}{4}$ . (156) The latter by 1s. 7 $\frac{1}{4}$ d. (157) £17. 18. 4.  
 (158) £3. 12. 11 $\frac{1}{4}$ . (159) £95. 15. 1 $\frac{3}{4}$ . (160) £451. 18. 2.  
 (161) £567. 1. 4. (162) £62. 7. 6. (163) £27. 3. 0.  
 (164) £42. 6. 0 $\frac{1}{2}$ . (165) £20. 11. 3 $\frac{1}{4}$ . (166) 11d.  
 (167) £10. 4. 9. (168) 5s. 8 $\frac{3}{4}$ d. (169) £8. 15. 6 $\frac{1}{2}$ .  
 (170) 191 twopences. (171) 19s. 5 $\frac{1}{4}$ d. (172) 2468 farthings.  
 (173) £3813. 6. 8. (174) £16. 4. 2 $\frac{1}{2}$ . (175) £7. 0. 8 $\frac{1}{2}$ .  
 (176) £21. 7. 3. (177) £20. 4. 6. (178) 12s. 2 $\frac{1}{2}$ d.

|                                 |                                       |                                  |
|---------------------------------|---------------------------------------|----------------------------------|
| (179) £1. 5. 3.                 | (180) £2757987. 18. 0 $\frac{3}{4}$ . | (181) £175. 6. 4 $\frac{3}{4}$ . |
| (182) 14s. 11d.                 | (183) £14. 2. 3.                      | (184) 318 times.                 |
| (185) £12. 1. 4.                | (186) £19. 3. 3.                      | (187) £15. 5. 11.                |
| (188) £18. 17. 9.               | (189) £7. 10. 3.                      | (190) £13. 14. 1 $\frac{3}{4}$ . |
| (191) £10. 9. 2.                | (192) 5 $\frac{1}{2}$ d.              | (193) £670. 16. 8.               |
| (194) £3. 13. 1 $\frac{1}{2}$ . | (195) £7715. 0. 0.                    | (196) £154. 11. 9.               |
| (197) £47. 0. 8 $\frac{1}{2}$ . | (198) £7. 3. 8.                       | (199) £168. 7. 6.                |
| (200) A owes to B 17s. 6d.      |                                       |                                  |

COMPOUND MULTIPLICATION (MONEY).

|                                   |                                   |                                    |                 |
|-----------------------------------|-----------------------------------|------------------------------------|-----------------|
| (1) £4. 7. 6.                     | (2) £22. 8. 6.                    | (3) £14. 1. 8.                     | (4) £44. 2. 11. |
| (5) £11. 17. 0.                   | (6) £26. 7. 4.                    | (7) £70. 14. 0.                    | (8) £50. 4. 3.  |
| (9) £66. 17. 6.                   | (10) £52. 12. 4.                  | (11) £47. 18. 0.                   |                 |
| (12) £19. 8. 7 $\frac{1}{2}$ .    | (13) £36. 17. 2 $\frac{1}{2}$ .   | (14) £43. 4. 9 $\frac{1}{2}$ .     |                 |
| (15) £82. 3. 9 $\frac{3}{4}$ .    | (16) £95. 2. 3 $\frac{3}{4}$ .    | (17) £13. 6. 11.                   |                 |
| (18) £79. 10. 2.                  | (19) £91. 2. 1 $\frac{1}{2}$ .    | (20) £143. 16. 6.                  |                 |
| (21) £56. 16. 3.                  | (22) £79. 2. 3.                   | (23) £54. 5. 7.                    |                 |
| (24) £139. 13. 8.                 | (25) £147. 11. 6 $\frac{3}{4}$ .  | (26) £503. 7. 3.                   |                 |
| (27) £212. 18. 4.                 | (28) £244. 6. 5 $\frac{1}{2}$ .   | (29) £157. 0. 11 $\frac{1}{2}$ .   |                 |
| (30) £31. 11. 6.                  | (31) £30. 9. 4.                   | (32) £75. 1. 10 $\frac{1}{2}$ .    |                 |
| (33) £335. 2. 0.                  | (34) £167. 1. 4.                  | (35) £280. 10. 0.                  |                 |
| (36) £206. 12. 6.                 | (37) £890. 12. 6.                 | (38) £1302. 18. 0.                 |                 |
| (39) £241. 8. 8 $\frac{1}{4}$ .   | (40) £658. 18. 1 $\frac{1}{2}$ .  | (41) £437. 12. 7 $\frac{1}{2}$ .   |                 |
| (42) £1194. 0. 0.                 | (43) £1118. 15. 6.                | (44) £101. 11. 10 $\frac{1}{4}$ .  |                 |
| (45) £89. 18. 3 $\frac{3}{4}$ .   | (46) £810. 17. 3 $\frac{1}{2}$ .  | (47) £511. 9. 5 $\frac{1}{2}$ .    |                 |
| (48) £586. 15. 6 $\frac{3}{4}$ .  | (49) £4198. 4. 8 $\frac{1}{2}$ .  | (50) £1366. 15. 1 $\frac{1}{4}$ .  |                 |
| (51) £1384. 6. 2 $\frac{1}{2}$ .  | (52) £3291. 14. 3 $\frac{1}{4}$ . | (53) £1988. 12. 10 $\frac{1}{2}$ . |                 |
| (54) £1842. 7. 4 $\frac{1}{2}$ .  | (55) £8368. 14. 0 $\frac{1}{2}$ . | (56) £2177. 5. 11 $\frac{1}{4}$ .  |                 |
| (57) £3018. 3. 4.                 | (58) £1924. 9. 8 $\frac{3}{4}$ .  | (59) £358. 9. 8.                   |                 |
| (60) £678. 10. 0.                 | (61) £1605. 5. 2 $\frac{1}{2}$ .  | (62) £793. 1. 1.                   |                 |
| (63) £2174. 18. 5 $\frac{1}{4}$ . | (64) £5032. 1. 6.                 | (65) £906. 17. 1.                  |                 |
| (66) £383. 18. 2 $\frac{1}{4}$ .  | (67) £560. 18. 3 $\frac{1}{2}$ .  | (68) £704. 8. 4.                   |                 |
| (69) £1841. 0. 0.                 | (70) £2265. 1. 9.                 | (71) £3101. 1. 10 $\frac{1}{2}$ .  |                 |
| (72) £5489. 0. 11 $\frac{1}{4}$ . | (73) £4830. 2. 7 $\frac{1}{2}$ .  | (74) £9678. 16. 1 $\frac{3}{4}$ .  |                 |
| (75) £13802. 4. 4 $\frac{1}{2}$ . | (76) £774. 19. 1 $\frac{1}{2}$ .  | (77) £3137. 16. 7 $\frac{1}{4}$ .  |                 |
| (78) £1235. 0. 9.                 | (79) £4642. 13. 3.                | (80) £4318. 4. 1 $\frac{1}{4}$ .   |                 |
| (81) £683. 12. 3 $\frac{1}{2}$ .  | (82) £2369. 10. 8 $\frac{1}{4}$ . | (83) £2365. 3. 11 $\frac{1}{2}$ .  |                 |
| (84) £1171. 13. 4 $\frac{1}{2}$ . | (85) £1287. 6. 11.                | (86) £2412. 5. 8 $\frac{1}{4}$ .   |                 |
| (87) £3296. 5. 0 $\frac{1}{2}$ .  | (88) £7715. 6. 11 $\frac{1}{2}$ . | (89) £335. 16. 5 $\frac{1}{4}$ .   |                 |
| (90) £308. 0. 7.                  | (91) £654. 14. 9 $\frac{1}{2}$ .  | (92) £688. 2. 1 $\frac{1}{2}$ .    |                 |

- (93) £940. 17. 7 $\frac{1}{2}$ . (94) £8217. 10. 4. (95) £5760. 2. 8 $\frac{1}{2}$ .  
 (96) £7427. 5. 9. (97) £3431. 15. 8. (98) £14063. 4. 5 $\frac{1}{2}$ .  
 (99) £995. 19. 5 $\frac{1}{2}$ . (100) £1798. 0. 6. (101) £1412. 15. 6.  
 (102) £4349. 6. 0. (103) £963. 11. 5 $\frac{3}{4}$ . (104) £783. 1. 6.  
 (105) £5344. 12. 6. (106) £2635. 12. 0. (107) £389. 15. 11 $\frac{1}{4}$ .  
 (108) £18283. 17. 7 $\frac{1}{2}$ . (109) £3216. 9. 3. (110) £7022. 8. 2 $\frac{1}{2}$ .  
 (111) £41878. 19. 0 $\frac{1}{2}$ . (112) £33726. 17. 5. (113) £14279 15. 0 $\frac{1}{2}$ .  
 (114) £33309. 13. 5 $\frac{1}{4}$ . (115) £42393. 5. 11 $\frac{1}{2}$ . (116) £4742. 0. 6 $\frac{1}{4}$ .  
 (117) £16222. 7. 8. (118) £68938. 3. 9. (119) £37097. 13. 7 $\frac{1}{2}$ .  
 (120) £57393. 1. 6 $\frac{1}{2}$ . (121) £73056. 6. 10. (122) £6668. 6. 2.  
 (123) £34657. 18. 0. (124) £22728. 7. 7 $\frac{1}{4}$ . (125) £37572. 8. 6.  
 (126) £44451. 9. 2. (127) £51321. 6. 8. (128) £9392. 8. 10 $\frac{3}{4}$ .  
 (129) £55373. 0. 4 $\frac{1}{2}$ . (130) £58245. 5. 10. (131) £146003. 14. 3 $\frac{1}{2}$ .  
 (132) £145318. 18. 1. (133) £682126. 11. 0. (134) £191217. 17. 0.  
 (135) £689246. 8. 1 $\frac{1}{2}$ . (136) £490697. 9. 10.  
 (137) £176375. 15. 1 $\frac{1}{4}$ . (138) £78978. 16. 7 $\frac{1}{2}$ .  
 (139) £81446. 10. 0. (140) £5450. 13. 8 $\frac{1}{2}$ . (141) £4293. 16. 9.  
 (142) £7985. 6. 3. (143) £6601. 16. 9. (144) £24206. 17. 0 $\frac{1}{2}$ .  
 (145) £18385. 1. 6 $\frac{3}{4}$ . (146) £23925. 17. 3 $\frac{3}{4}$ . (147) £6779. 11. 4.  
 (148) £48981. 12. 5 $\frac{1}{2}$ . (149) £46492. 0. 10. (150) £90208. 11. 4 $\frac{1}{4}$ .  
 (151) £331244. 6. 4. (152) £137487. 0. 4. (153) £56258. 1. 7.  
 (154) £15944. 5. 9. (155) £14305. 1. 9 $\frac{3}{4}$ . (156) £14162. 13. 7 $\frac{1}{2}$ .  
 (157) £12419. 1. 5 $\frac{1}{4}$ . (158) £129951. 11. 7 $\frac{1}{2}$ . (159) £226887. 1. 8.  
 (160) £24849. 4. 0. (161) £133429. 6. 8. (162) £550806. 9. 6.  
 (163) £4288. 3. 9 $\frac{3}{4}$ . (164) £65401. 16. 8 $\frac{1}{2}$ . (165) £141465. 3. 6.  
 (166) £36132. 0. 8 $\frac{3}{4}$ . (167) £108093. 18. 7 $\frac{3}{4}$ .  
 (168) £197933. 17. 1. (169) £257826. 6. 4 $\frac{1}{2}$ .  
 (170) £194060. 15. 6. (171) £312555. 9. 3 $\frac{3}{4}$ . (172) £257560. 19. 2.  
 (173) £36618. 8. 5 $\frac{1}{4}$ . (174) £784480. 13. 11 $\frac{1}{2}$ . (175) £675679. 1. 0.  
 (176) £1118708. 13. 9. (177) £403280. 18. 9.  
 (178) £503441. 19. 0 $\frac{1}{2}$ . (179) £397349. 0. 0. (180) £129433. 6. 0.  
 (181) £501282. 8. 9. (182) £245498. 5. 2 $\frac{1}{4}$ .  
 (183) £1011704. 18. 11 $\frac{1}{4}$ . (184) £5806900. 19. 11 $\frac{1}{4}$ .  
 (185) £3401624. 7. 0. (186) £456001. 7. 7. (187) £306253. 12. 7.  
 (188) £610477. 12. 0. (189) £7309378. 3. 8. (190) £5112822. 3. 9.  
 (191) £1047191. 15. 11. (192) £704482. 3. 4.  
 (193) £3540278. 0. 9. (194) £4673989. 10. 3.  
 (195) £2114930. 19. 7. (196) £6270019. 10. 11.  
 (197) £2796671. 7. 1. (198) £12140231. 6. 10 $\frac{1}{2}$ .  
 (199) £26600902. 13. 4. (200) £721506087. 16. 11 $\frac{1}{4}$ .  
 (201) £7500. (202) 4s. 8d. (203) £5. 5. 0. (204) £39. 16. 3.

|                     |                             |                       |
|---------------------|-----------------------------|-----------------------|
| (205) £45. 10. 2½.  | (206) £23. 6. 8.            | (207) £2. 12. 6.      |
| (208) £46. 0. 1¼.   | (209) £235. 14. 2½.         | (210) £41. 18. 6.     |
| (211) £1. 17. 2.    | (212) £69. 18. 3.           | (213) £56. 15. 0.     |
| (214) £6. 8. 7¾.    | (215) £70. 2. 10½.          | (216) £20. 13. 0.     |
| (217) £76. 13. 4.   | (218) £41. 8. 1½.           | (219) £879. 15. 0.    |
| (220) £197. 12. 4.  | (221) £687. 4. 6.           | (222) £2. 10. 6.      |
| (224) £73. 13. 8¼.  | (225) £129. 5. 0.           | (226) £2. 6. 1.       |
| (227) £98. 3. 4.    | (228) £1468. 15. 0.         | (229) £1494. 19. 4.   |
| (230) £1. 10. 3.    | (231) £558. 0. 0.           | (232) £157. 9. 0.     |
| (233) £8. 3. 4.     | (234) £64. 3. 4.            | (235) £1. 0. 4.       |
| (236) £1303. 1. 9.  | (237) 204 times.            | (238) £127. 14. 6.    |
| (239) £53. 8. 4½.   | (240) £336. 0. 0.           | (241) £2. 15. 11¾.    |
| (242) £35. 12. 0.   | (243) £4. 19. 9.            | (244) £2. 1. 8¼.      |
| (245) £4. 13. 0.    | (246) £3. 0. 0.             | (247) £4. 3. 1½.      |
| (248) £9. 4. 10½.   | (249) £31. 16. 0.           | (250) £87. 11. 0.     |
| (251) £10. 12. 11.  | (252) £12. 18. 6½.          | (253) £8. 12. 11½.    |
| (254) £325. 10. 0.  | (255) £11. 15. 7½.          | (256) £255. 6. 8.     |
| (257) £14149. 0. 0. | (258) £198. 18. 0.          | (259) £4. 7. 5½.      |
| (260) £142. 10. 0.  | (261) £1. 5. 10½.           | (262) £66. 5. 3.      |
| (263) £1237. 10. 0. | (264) £40. 0. 7½.           | (265) £146. 4. 2.     |
| (266) £120. 7. 8.   | (267) 7s. 0d.               | (268) £224. 14. 0.    |
| (269) £35. 3. 9½.   | (270) 5s. 7½d.              | (271) £1185. 11. 2.   |
| (272) £59. 7. 6.    | (273) £57. 2. 0.            | (274) £197. 3. 4¾.    |
| (275) £3. 8. 0.     | (276) £14. 13. 3.           | (277) £125. 0. 0.     |
| (278) £61. 14. 4.   | (279) £1. 15. 0.            | (280) £574. 13. 4.    |
| (281) £1. 7. 9¼.    | (282) £2. 16. 3½.           | (283) £34. 18. 3.     |
| (284) £45. 3. 10½.  | (285) £45. 15. 9½.          | (286) £12. 13. 9.     |
| (287) £39. 6. 1½.   | (288) £6. 4. 3.             | (289) £2. 9. 9.       |
| (290) £307. 1. 8.   | (291) 10 times.             | (292) £7014. 16. 10½. |
| (293) £3256. 0. 0.  | (294) A. £38; B. £9. 10. 0. |                       |
| (295) £844. 1. 6.   | (296) £4. 10. 6.            | (297) £160. 18. 6¼.   |
| (298) £1. 9. 3.     | (299) £108. 4. 11.          | (300) £53613. 11. 5½. |

COMPOUND DIVISION (MONEY).

|                           |                 |                           |                |
|---------------------------|-----------------|---------------------------|----------------|
| (1) £2. 15. 3.            | (2) £1. 9. 3.   | (3) £2. 1. 8½.            | (4) £1. 11. 3. |
| (5) £1. 6. 5.             | (6) £2. 2. 1.   | (7) £4. 2. 1.             | (8) £7. 0. 3.  |
| (9) £10. 5. 4½.           | (10) £5. 17. 2. | (11) £4. 14. 10¾.         |                |
| (12) £3. 2. 3—1 d. rem.   |                 | (13) £4. 19. 5¼—2 f. rem. |                |
| (14) £4. 10. 7¼—3 f. rem. |                 | (15) £8. 14. 4—1 d. rem.  |                |
| (16) £1. 6. 4½—6 f. rem.  |                 | (17) £14. 16. 9¾.         |                |

- (18) £6. 12.  $2\frac{3}{4}$ —1 f. rem. (19) £5. 0. 7—2 f. rem.  
 (20) £3. 10. 2—1 d. rem. (21) £6. 9.  $5\frac{1}{2}$ —4 f. rem.  
 (22) £19. 13. 9—1 d. rem. (23) £26. 6.  $5\frac{1}{4}$ .  
 (24) £6. 11.  $0\frac{1}{4}$ —7 f. rem. (25) £136. 8.  $9\frac{1}{4}$ .  
 (26) £46. 10.  $11\frac{1}{2}$ —2 f. rem. (27) £125. 9.  $4\frac{1}{2}$ .  
 (28) £39. 18. 6—1 d. rem. (29) £51. 16.  $7\frac{1}{4}$ —2 f. rem.  
 (30) £17. 1.  $10\frac{3}{4}$ —3 f. rem. (31) £25. 1.  $3\frac{3}{4}$ .  
 (32) £17. 7. 11—2 d. rem. (33) £150. 6.  $3\frac{1}{4}$ .  
 (34) £39. 4. 6—2 f. rem. (35) £39. 17. 11—2 f. rem.  
 (36) £15. 3.  $6\frac{3}{4}$ . (37) £28. 2.  $9\frac{1}{4}$ . (38) £56. 2.  $1\frac{1}{4}$ .  
 (39) £13. 18.  $10\frac{1}{4}$ —4 f. rem. (40) £23. 6.  $2\frac{1}{4}$ . (41) £381. 19.  $8\frac{1}{2}$ .  
 (42) £169. 4. 10. (43) £273. 3.  $4\frac{1}{2}$ . (44) £177. 7.  $6\frac{3}{4}$ .  
 (45) £836. 19. 11. (46) £1005. 5.  $1\frac{1}{4}$ —1 f. rem.  
 (47) £199. 17.  $2\frac{1}{4}$ —4 f. rem. (48) £1002. 19.  $3\frac{1}{2}$ —2 f. rem.  
 (49) £20105. 8.  $4\frac{1}{4}$ . (50) £2440. 11.  $9\frac{3}{4}$ . (51) £22526. 13.  $1\frac{1}{2}$ .  
 (52) £16421. 2.  $8\frac{3}{4}$ —1 f. rem. (53) £1260. 12. 11.  
 (54) £1376. 19.  $2\frac{3}{4}$ . (55) £625. 9.  $1\frac{3}{4}$ . (56) £813. 11. 1.  
 (57) £45155. 16.  $9\frac{1}{2}$ . (58) £29069. 19. 10. (59) £2326. 3. 7.  
 (60) £11720. 15.  $6\frac{3}{4}$ . (61) £16000. 12. 9.  
 (62) £8287. 13.  $11\frac{1}{2}$ —2 f. rem. (63) £1121. 4.  $5\frac{1}{2}$ .  
 (64) £10035. 4.  $2\frac{1}{4}$ —6 f. rem. (65) £29. 13.  $4\frac{1}{2}$ . (66) £16. 19.  $5\frac{3}{4}$ —7 rem.  
 (67) £75. 16.  $5\frac{1}{4}$ . (68) £100. 1. 4. (69) £69. 7.  $1\frac{1}{2}$ —6 f. rem.  
 (70) £75. 4.  $5\frac{1}{4}$ —8 f. rem. (71) £15. 0.  $11\frac{1}{2}$ —8 f. rem.  
 (72) £9. 16.  $9\frac{1}{4}$ . (73) £8. 14.  $7\frac{1}{4}$ . (74) £27. 19.  $3\frac{1}{2}$ .  
 (75) £10. 12. 11. (76) £9. 16.  $0\frac{3}{4}$ . (77) £11. 11.  $11\frac{1}{4}$ .  
 (78) £100. 0.  $5\frac{1}{4}$ . (79) £3. 19.  $11\frac{3}{4}$ . (80) £12. 1.  $6\frac{1}{2}$ .  
 (81) £2. 9.  $9\frac{3}{4}$ . (82) £7. 15.  $10\frac{1}{2}$ . (83) £5. 19.  $11\frac{3}{4}$ .  
 (84) £115. 16.  $8\frac{1}{4}$ . (85) £92. 17.  $11\frac{1}{2}$ . (86) £3. 17.  $10\frac{3}{4}$ .  
 (87) £96. 14.  $4\frac{1}{2}$ . (88) £11. 15.  $3\frac{1}{4}$ . (89) £90. 14.  $6\frac{1}{2}$ .  
 (90) £130. 16.  $7\frac{3}{4}$ . (91) £19. 18.  $2\frac{1}{4}$ . (92) £70. 13.  $6\frac{1}{4}$ .  
 (93) £116. 18.  $11\frac{3}{4}$ . (94) £73. 16. 8. (95) £100. 0.  $9\frac{1}{4}$ .  
 (96) £11. 10.  $8\frac{3}{4}$ . (97) £16. 13.  $7\frac{1}{2}$ . (98) 19s.  $10\frac{3}{4}d.$   
 (99) £1. 15.  $8\frac{1}{4}$ . (100) £6. 13.  $8\frac{3}{4}$ . (101) £301. 1.  $0\frac{3}{4}$ .  
 (102) £191. 11.  $5\frac{1}{2}$ . (103) £716. 0.  $0\frac{1}{2}$ . (104) £39. 15.  $9\frac{1}{4}$ .  
 (105) £100. 2.  $1\frac{1}{4}$ . (106) £73. 0. 6. (107) £18. 12.  $9\frac{1}{4}$ .  
 (108) £1. 0.  $11\frac{1}{4}$ . (109) £209. 6.  $0\frac{3}{4}$ . (110) £7. 8. 5—16 d. rem.  
 (111) £3. 10.  $5\frac{1}{2}$ . (112) £1. 19.  $11\frac{3}{4}$ . (113) £77. 17.  $0\frac{1}{4}$ .  
 (114) £5. 11.  $7\frac{1}{4}$ . (115) 3s.  $11\frac{1}{4}d.$ —104 f. rem. (116) £1. 7.  $6\frac{1}{2}$ .  
 (117) £9. 0.  $9\frac{1}{2}$ . (118) £2. 13.  $10\frac{1}{2}$ —73 f. rem. (119) £11. 5.  $1\frac{1}{2}$ .  
 (120) £7. 13.  $6\frac{3}{4}$ . (121) £17. 4.  $4\frac{1}{2}$ . (122) £4. 4. 4.  
 (123) £101. 11.  $9\frac{1}{2}$ . (124) 1s.  $5\frac{1}{4}d.$  (125) £19. 16.  $4\frac{1}{4}$ .

- (126) £13. 13. 8½. (127) £18. 10. 11. (128) £7. 12. 11.  
 (129) £8. 3. 4. (130) £506. 19. 10¼. (131) £11. 17. 9.  
 (132) £113. 0. 1¼. (133) £79. 15. 6½. (134) £98. 12. 10¾.  
 (135) £171. 4. 10¾—3 f. rem. (136) £305. 5. 3—2 f. rem.  
 (137) £84. 11. 9¾—17 f. rem. (138) £78. 17. 9—50 f. rem.  
 (139) £98. 17. 9—26 f. rem. (140) £54. 13. 10¼. 83 f. rem.  
 (141) £82. 14. 9¾—41 f. rem. (142) £164. 1. 7—24 f. rem.  
 (143) £28. 7. 9¼—195 f. rem. (144) £16. 17. 10½—554 f. rem.  
 (145) £8. 1. 9—502 f. rem. (146) £11. 12. 4½—340 f. rem.  
 (147) £23. 13. 1½. (148) £17. 7. 2. (149) £7. 4. 11.  
 (150) £17. 5. 5¾. (151) £19. 14. 6¾. (152) £49. 7. 7¼.  
 (153) £35. 12. 1¾. (154) £18. 15. 8. (155) £3. 1. 2¾.  
 (156) £3. 16. 7. (157) £3. 7. 4½. (158) £5. 17. 9½.  
 (159) £9. 5. 11¼. (160) £31. 19. 9¾. (161) £5. 4. 10½.  
 (162) £8. 11. 5¾. (163) £5. 14. 10. (164) £1. 19. 10½.  
 (165) £61. 5. 1. (166) £323. 11. 6¾. (167) £102. 4. 1½.  
 (168) £14. 3. 4¼. (169) £10. 2. 4. (170) £1. 2. 1.  
 (171) £63. 4. 9¾. (172) £28. 7. 4½. (173) £1. 0. 1½.  
 (174) £15. 5. 7. (175) £27. 6. 8½. (176) £35. 5. 2.  
 (177) £27. 7. 7¾. (178) £15. 7. 10¾. (179) £1. 13. 2¼.  
 (180) £8824. 13. 1. (181) £368. 0. 5¾. (182) £33. 7. 9½.  
 (183) £30. 4. 4¼. (184) £33. 12. 3. (185) £25. 13. 2¼.  
 (186) £426. 14. 3¾. (187) £514. 4. 4½. (188) £240. 1. 9¾.  
 (189) £189. 13. 0¼. (190) £3. 8. 2. (191) £6. 7. 9¼.  
 (192) 2s. 7¼d. (193) 7s. 11½d. (194) 5s. 7½d.  
 (195) £128. 18. 4½. (196) £2. 8. 1½. (197) £10. 11. 8¼.  
 (198) £6. 16. 11½. (199) £12. 1. 5¾. (200) £20. 12. 2.  
 (201) 12 times. (202) £1. 3. 10. (203) £6. 0. 3.  
 (204) £1. 18. 10½. (205) 5s. 1d. (206) £1. 2. 9¾.  
 (207) £2. 8. 5½ nearly. (208) 108 lbs. (209) £3. 14. 5¾.  
 (210) £3. 4. 5. (211) 3½d. (212) £3. 10. 2¾. (213) £1. 6. 6.  
 (214) 17 ounces. (215) £1. 9. 1. (216) 1s. 1¼d. and 1s. 4¾d.  
 (217) 21 pairs. (218) 6½d. (219) £4. 4. 4½. (220) 9s. 2½d.  
 (221) 2s. 9¼d. (222) 3s. (223) £2. 8. 9 and £2. 16. 3.  
 (224) £13. 16. 1½. (225) £1. 5. 7⅞.  
 (226) £4. 2. 0 a man; £1. 7. 4 a woman. (227) 19 times.  
 (228) £8. 5. 7½. (229) £4. 12. 7½. (230) 3s. 3d. (231) 60.  
 (232) £1. 19. 0. (233) £2. 15. 11¾. (234) £1. 8. 8¼.  
 (235) 4s. 2½d. (236) 1s. 6¾d. (237) 4s. 3½d.  
 (238) 240000 roubles. (239) £50000. (240) 240 times.  
 (241) 20 lbs. (242) 25 pairs. (243) 24.

- (244) £1. 14. 9 and £3. 16. 9. (245) 2s.  $3\frac{1}{2}d.$  (246) 3s.  $10\frac{1}{2}d.$   
 (247) £111. 15.  $3\frac{3}{4}$ . (248) £8. 0. 3 a man; £4. 0.  $1\frac{1}{2}$  a woman;  
 £2. 0.  $0\frac{3}{4}$  a child. (249) 4s. (250) 23 lbs. (251) 4s.  $1\frac{1}{4}d.$   
 (252) 37 shillings. (253) 14s.  $3\frac{1}{2}d.$  (254) 720 gallons.  
 (255) A. £10. 12. 6; B. £5. 3. 9; C. £5. 3. 9. (256) 5d.  
 (257) £1. 1. 0. (258) 34. (259) 482 times.  
 (260) A. 16s. 8d.; B. £1. 13. 4; C. £2. 10. 0. (261) 5d.  
 (262) £6. 1.  $6\frac{3}{4}$ . (263) 108 yards. (264) 10s.  $6\frac{1}{2}d.$   
 (265) £2. 1. 1. (266) 15s. (267) £100. 12. 6.  
 (268) £2. 1.  $8\frac{1}{2}$  nearly. (269) 30. (270) 5d. (271) 8s.  
 (272)  $1\frac{1}{2}d.$  (273) 7d. (274) 84. (275) £1. 11.  $5\frac{1}{2}$ .  
 (276) 1s. 9d. (277) 50. (278) 9d. (279) £2. 5.  $9\frac{1}{4}$ .  
 (280) 34. (281)  $1\frac{1}{2}d.$  (282) 132. (283) £3. 17.  $6\frac{3}{4}$ .  
 (284) 9s. 10d. (285) 120 yards. (286) £6. 3. 8. (287)  $1\frac{1}{4}d.$   
 (288) £2. 10.  $1\frac{1}{4}$ . (289) £3. 8. 6. (290) 10s.  $10\frac{1}{2}d.$  and 13s.  $1\frac{1}{2}d.$   
 (291) £62. 2. 3. (292) 9. (293) 1800. (294) £184. 5. 4.  
 (295) 145 yards. (296) 25 times and £3. 0. 10 rem.  
 (297) £224241. 1.  $4\frac{1}{2}$  nearly. (298) 4s.  $4\frac{1}{4}d.$  (299) 71 times.  
 (300) 15.

## COMPOUND REDUCTION (WEIGHTS AND MEASURES).

- (1) 1500. (2) 3193. (3) 26516. (4) 21623. (5) 15952.  
 (6) 5390064. (7) 2531. (8) 278547 $\frac{1}{2}$ . (9) 109006236.  
 (10) 21995. (11) 10359338. (12) 21324. (13) 497.  
 (14) 157026. (15) 8778959. (16) 63988461. (17) 477852.  
 (18) 1539 $\frac{1}{2}$ . (19) 53628. (20) 162612065. (21) 6592 $\frac{1}{2}$ .  
 (22) 5281665. (23) 1314972. (24) 478463. (25) 681495.  
 (26) 25485. (27) 155120. (28) 53695. (29) 2648574.  
 (30) 11900. (31) 1254. (32) 18373. (33) 86323 $\frac{1}{4}$ .  
 (34) 4636269 $\frac{1}{4}$ . (35) 174716. (36) 4490502188. (37) 82211796.  
 (38) 687364709. (39) 1607535. (40) 448409. (41) 38103 $\frac{3}{4}$ .  
 (42) 532314 $\frac{1}{4}$ . (43) 1036970. (44) 550726. (45) 26358.  
 (46) 2801938. (47) 4980. (48) 165. (49) 18345.  
 (50) 266310. (51) 1705050. (52) 18363. (53) 20076.  
 (54) 186048. (55) 40709. (56) 5604. (57) 21732.  
 (58) 18110 $\frac{3}{4}$ . (59) 19057812. (60) 11518441. (61) 192585.  
 (62) 201599. (63) 750. (64) 412. (65) 237. (66) 8708.  
 (67) 3374. (68) 6103. (69) 236. (70) 746. (71) 3120.  
 (72) 2454. (73) 36880. (74) 4749. (75) 111. (76) 3206.

COMPOUND REDUCTION (WEIGHTS AND MEASURES). 319

|  |   |   |                           |
|--|---|---|---------------------------|
| (77) 8926.   | (78) 42879.   | (79) 405.                                     | (80) 134784.              |
| (81) 4810752.  | (82) 5650.  | (83) 5213376.                                 | (84) 449333.              |
| (85) 4843782.  | (86) 1025717.                                       | (87) 956448.                                  | (88) 5166288.             |
| (89) 897 $\frac{3}{4}$ .                               | (90) 5260464.                                       | (91) 1332.                                    | (92) 666.                 |
| (93) 223.  |   |   |                           |
| (94) 3791 $\frac{1}{4}$ .                              | (95) 1067 $\frac{1}{2}$ .                           | (96) 5654 $\frac{1}{4}$ .                     | (97) 1395 $\frac{1}{4}$ . |
| (98) 73129 $\frac{1}{4}$ .                             | (99) 27028 $\frac{3}{4}$ .                          | (100) 768.                                    | (101) 4688.               |
| (102) 1180.  | (103) 9518 $\frac{3}{4}$ .                          | (104) 855.                                    | (105) 324.                |
| (106) 3803.  | (107) 22493.  | (108) 101688.                                 | (109) 423360.             |
| (110) 653777.  | (111) 442872.                                       | (112) 63723.                                  | (113) 25860.              |
| (114) 558258.  | (115) 97902.  | (116) 34403.                                  | (117) 442.                |
| (118) 1724.  | (119) 2808.   | (120) 44120.                                  | (121) 595738.             |
| (122) 68670.   | (123) 112590.                                       | (124) 8670.                                   | (125) 169335.             |
| (126) 18178795.  | (127) 474.  |   | (128) 51590.              |
| (129) 12 cwt. 14 lbs. 3 oz.                            |   | (130) 37 lbs. 14 oz. 2 drs.                   |                           |
| (131) 31 cwt. 2 qrs. 15 lbs. 9 oz. 11 drs.             |   | (132) 33 cwt. 2 lbs. 8 oz.                    |                           |
| (133) 1 ton 8 cwt. 1 qr. 5 lbs.                        |   | (134) 63 qrs. 5 lbs.                          |                           |
| (135) 13 tons 9 cwts. 8 lbs.                           | (136)   | 31 tons 3 cwt. 3 qrs. 13 lbs.                 |                           |
| (137) 12 tons 8 cwt. 1 qr. 12 lbs. 10 oz. 5 drs.       |   |   |                           |
| (138) 252 tons 16 cwt. 2 qrs. 4 lbs. 5 oz.             |   |   |                           |
| (139) 16 tons 12 cwt. 1 qr. 3 lbs.                     |   | (140) 86 cwt. 1 qr. 27 lbs.                   |                           |
| (141) 47 tons 14 cwt.                                  | (142) 9 tons 7 cwt.                                 | (143) 5 st. 12 lbs. 4 oz.                     |                           |
| (144) 17 tons 9 $\frac{1}{2}$ cwt.                     |   | (145) 27 tons 18 cwt. 4 lbs.                  |                           |
| (146) 1171 lbs. 14 oz. 2 drs.                          |   | (147) 219 yds. 1 ft. 10 in.                   |                           |
| (148) 1188 p. 1 ft.                                    |   | (149) 1 m. 878 yds. 2 ft.                     |                           |
| (150) 2 fur. 87 yds. 2 ft. 4 in.                       |   | (151) 1 m. 2 fur. 134 yds.                    |                           |
| (152) 50 p. 2 yds. 2 ft. 4 in.                         |   | (153) 5 m. 3 fur. 207 yds. 1 ft.              |                           |
| (154) 15 m. 6 fur. 57 yds. 2 ft. 4 in.                 |   | (155) 359 fur. 14 p. 4 yds.                   |                           |
| (156) 2 m. 1 fur. 176 yds.                             |   | (157) 244 p. 5 yds.                           |                           |
| (158) 12 m. 3 fur. 31 p.                               |   | (159) 5 h. m. 2 fur. 65 yds. 1 ft.            |                           |
| (160) 45 fur. 142 yds.                                 | (161) 171 yds. 2 $\frac{1}{2}$ in.                  | (162) 13 sq. ft. 74 in.                       |                           |
| (163) 5 sq. yds. 4 ft. 35 in.                          | (164) 3 p. 4 sq. yds. 1 ft. 83 in.                  |   |                           |
| (165) 55 sq. yds. 4 ft. 104 in.                        | (166) 2 roods.                                      | (167) 1 acre.                                 |                           |
| (168) 1 ac. 2 r. 15 p. 2 $\frac{1}{4}$ yds. 64 in.     |   | (169) 19 ac. 1 p. 25 $\frac{3}{4}$ yds.       |                           |
| (170) 1 ac. 2 r. 21 p. 20 $\frac{3}{4}$ yds.           |   | (171) 54 r. 9 p. 11 $\frac{3}{4}$ yds. 1 ft.  |                           |
| (172) 3 sq. m. 559 ac. 1 r. 14 p. 6 $\frac{1}{2}$ yds. |   | (173) 80 ac. 3 r. 25 p. 24 $\frac{3}{4}$ yds. |                           |
| (174) 5 r. 17 p. 10 yds. 3 $\frac{1}{4}$ ft.           |   | (175) 2 p. 22 yds. 80 in.                     |                           |
| (176) 133 p. 0 $\frac{3}{4}$ ft.                       | (177) 181 ac. 3 r. 7 p. 25 yds. 0 $\frac{1}{4}$ ft. |   |                           |
| (178) 8 hrs. 40 m. 16 s.                               | (179) 470 wks. 1 d. 19 h.                           |   |                           |
| (180) 2 dys. 4 h. 51 m. 56 s.                          | (181) 25 yrs. 92 dys.                               |   |                           |
| (182) 60 h. 36 m. 50 s.                                | (183) 19 y. 153 dys. 1 h.                           |   |                           |
| (184) 1 h. 59 m. 18 s.                                 | (185) 24 dys. 10 h. 9 m.                            |   |                           |

- (186) 4 h. 43 m. 25 s. (187) 20 yrs. 158 d. 10 h.  
 (188) 548 wks. 1 d. 18 h. (189) 135 yrs. 1 wk.  
 (190) 2 yrs. 241 dys. 14 h. 16 m. (191) 301 wks. 6 d. 3 h.  
 (192) 22 wks. 6 d. 22 h. 49 m. 18 s. (193) 15 y. 26 d. 2 h. 26 m.  
 (194) 115232 gals. 2 qts. (195) 4712 bus. 1 pk. 1 gal.  
 (196) 75 lds. 2 qrs. (197) 576 pks. 1 qt. (198) 22 qrs.  
 (199) 12477 bus. (200) 1247 qrs. 4 bus. 1 pk.  
 (201) 428 lds. 3 qrs. 6 bus. 3 pks. (202) 23 qrs. 1 pk. 1 gal. 3 qts.  
 (203) 54 lds. 2 qrs. 5 bus. 2 pks. (204) 96 lds. 4 qrs. 4 bus.  
 (205) 137 qrs. 7 bus. 2 pks. (206) 113 bus. 3 qts.  
 (207) 5848 qts. (208) 473 pks. 1 gal. 2 qts.  
 (209) 48 qrs. 1 pk. 1 gal. (210) 22 c. ft. 1147 in.  
 (211) 1493 c. yds. 2 ft. (212) 1 c. yd. 1 ft. 1616 in.  
 (213) 1 c. yd. 15 ft. 6 $\frac{3}{4}$  in. (214) 5 c. ft. 381 in. (215) 138 c. yds.  
 (216) 1 c. yd. 19 ft. 731 in. (217) 38 c. yds. 15 ft. 1152 in.  
 (218) 48 yds. 2 ft. 8 in. (219) 35 qrs. 1 r. 0 $\frac{3}{4}$  in.  
 (220) 618 yds. 3 qrs. (221) 22 yds. 1 n. 1 $\frac{3}{4}$  in.  
 (222) 351 E. ells 1 n. (223) 8 E. ells 1 n. 0 $\frac{3}{4}$  in.  
 (224) 1800 E. ells 1 qr. (225) 257 nls. 0 $\frac{3}{4}$  in.  
 (226) 2 lbs. 3 oz. 1 dwt. 18 grs. (227) 1 lb. 3 oz. 6 grs.  
 (228) 5 lbs. 9 oz. 16 dwts. (229) 584 lbs. 4 oz.  
 (230) 24 oz. 2 dwts. 23 grs. (231) 12 lbs. 10 oz. 1 dwt. 12 grs.  
 (232) 3 lbs. 3 oz. 11 dwts. 16 grs. (233) 10 lbs. 3 oz. 5 dwts. 3 grs.  
 (234) 29 lbs. 7 oz. 13 dwts. (235) 260 lbs. 1 oz.  
 (236) 2 lbs. 11 oz. 3 drs. 1 sc. (237) 5 lbs. 6 drs. 2 sc. 6 grs.  
 (238) 1 lb. 6 oz. 4 drs. 2 sc. (239) 65 oz. 1 dr. 2 sc. 13 grs.  
 (240) 10 oz. 5 drs. 1 sc. 16 grs. (241) 22 lbs. 3 oz. 4 drs.  
 (242) 12 lbs. 2 oz. 3 drs. 2 sc. (243) 10 lbs. Av. 1933 grs.  
 (244) 1170 lbs. 7 oz. 7 dwts. 22 grs. (245) 97 lbs. Av. 2120 grs.  
 (246) 69 oz. 5 dwts. 10 grs. (247) 577 lbs. Av. 1629 grs.  
 (248) 41 reams 1 q. 2 sh. (249) 227 quires 23 sh. (250) 550 dozens.  
 (251) 558 cwt. 4 lbs. (252) 173 lbs. 7 oz. 6 dwt. 16 grs.  
 (253) 173 lbs. 7 oz. 2 drs. 2 sc. (254) 206 ac. 2 r. 17 p. 25 $\frac{3}{4}$  yds.  
 (255) 114 yrs. 56 dys. 16 hrs. (256) 189 m. 3 fur. 6 p. 1 ft.  
 (257) 6250 loads. (258) 21 c. yds. 11 ft. 1216 in.  
 (259) 22222 E. ells 1 qr. 1 in. (260) 242 tons 11 cwt. 13 lbs. 1 oz.  
 (261) 24147 lbs. 9 oz. 7 dwts. 8 grs. (262) 24147 lbs. 9 oz. 2 drs. 2 sc. 16 gr.  
 (263) 2195 m. 2 fur. 4 yds. 2 ft. 8 in. (264) 22 ac. 27 p. 26 yds. 6 ft. 68 in.  
 (265) 4 y. 149 d. 20 h. 26 m. 56 s. (266) 54332 lds. 2 qrs. 4 bus. 1 pk.  
 (267) 2981 c. yds. 5 ft. 1040 in. (268) 3090915 E. ells 4 qr. 2 n. 0 $\frac{1}{2}$  in.  
 (269) 2269 tons 9 cwt. 3 qrs. 6 lbs. 3 oz. 15 drs.

COMPOUND REDUCTION (WEIGHTS AND MEASURES). 321

- (270) 225940 lbs. 4 oz. 7 dwts. 23 grs. (271) 225940 lbs. 4 oz. 3 drs. 11 grs.  
 (272) 20540 m. 10 p. 3 yds. 1 ft. 11 in. (273) 207 ac. 1 r. 36 p. 3 ft. 95 in.  
 (274) 41 yrs. 97 dys. 16 h. 35 m. 11 s.  
 (275) 20334632 qrs. 7 bus. 3 pks. 1 gal.  
 (276) 27893 c. yds. 23 ft. 959 in.  
 (277) 1245 tons 1 cwt. 1 qr. 2 lbs. 15 oz. 8 dr. (278) 123953 lbs. 5 dwts.  
 (279) 123953 lbs. 2 drs. (280) 11268 m. 3 f. 26 p. 1 ft.  
 (281) 113 ac. 3 r. 11 p. 19 yds. 5 ft. 12 in. (282) 22 yrs. 233 dys. 12 h. 50 m.  
 (283) 89246175 bushels. (284) 15302 c. yds. 22 ft. 1272 in.  
 (285) 11535 tons 2 cwt. 2 qrs. 8 lbs. 11 oz.  
 (286) 71774 lbs. 1 oz. 12 dwts. 11 grs.  
 (287) 71774 lbs. 1 oz. 4 drs. 2 sc. 19 grs.  
 (288) 6524 m. 7 fur. 14 p. 4 yds. 1 ft. 11 in.  
 (289) 65 ac. 3 r. 25 p. 9 yds. 8 ft. 23 in.  
 (290) 13 yrs. 39 dys. 22 h. 36 m. 59 s. (291) 322983 lds. 3 qrs. 1 pk. 3 qts.  
 (292) 8861 c. yds. 203 in. (293) 1012 tons 5 cwt. 18 lbs. 4 oz. 10 drs.  
 (294) 100775 lbs. 11 oz. 1 dwt. 18 grs. (295) 100775 lbs. 11 oz. 2 sc. 2 grs.  
 (296) 9161 m. 3 fur. 23 p. 1 yd. 1 ft. (297) 92 ac. 2 r. 6 p. 11 yds. 4 ft. 66 in.  
 (298) 18 yrs. 148 dys. 9 h. 28 m. 42 s.  
 (299) 226745 lds. 4 qrs. 1 bus. 1 gal. 1 qt.  
 (300) 12441 c. yds. 12 ft. 1290 in. (301) 216 lbs.  
 (302) 16 cwt. 3 qrs. 12 lbs. 7 oz. (303) 2 lbs. 2 oz. 9 dwts.  
 (304) 2319 lbs. (305) 220 grs. (306) 2 m. 533 yds. 2 ft.  
 (307) 112 yds. 9 in. (308) 13 cwt. 2 qrs. 18 lbs.  
 (309) 6705310 drams. (310) 5 m. 867 yds. 1 ft. (311) 46656 cub. in.  
 (312) 4 ac. 3 r. 33 p. 11½ yds. (313) 272¼ yds. (314) 6405 sec.  
 (315) 47790'. (316) 20 bus. 1 pk. 2 qts. 1 pt.  
 (317) 41 dys. 9 hrs. 20 min. (318) 900 st.; £112. 10. 0.  
 (319) 31556929 sec. (320) 432. (321) 1444 hhds. 24 gals.  
 (322) 33 sq. yds. 3 ft. (323) 15 p. 1 sq. yd. 3½ ft.  
 (324) 17 ac. 1 r. 29 p. 18¼ yds. (325) 8 times. (326) 2020032.  
 (327) 54 hours. (328) 99 qrs. 2 bus. (329) 876 hrs.  
 (330) 5 lbs. 3 oz. 14 dwts. 19 grs. (331) 497 tons 5 cwt. 1 qr. 20¾ lbs.  
 (332) 56¼ miles. (333) 117 sq. m. 120 ac. (334) 147 yards.  
 (335) 1 ton. (336) 403 lbs. (337) 224 times.  
 (338) £173. 12. 0. (339) £585. 18. 0. (340) 344 bushels.  
 (341) 288 lbs. (342) 745 lbs. (343) £63. (344) £905. 12. 6.  
 (345) £369. 18. 1½. (346) 47 tons 5 cwt. 1 qr. 17 lbs.  
 (347) £708. 19. 8¼. (348) 7 lbs. Av. 6627 grs. (349) 206 yds. 1 qr.  
 (350) £6. 12. 0. (351) £86. 2. 4½. (352) 19 times.  
 (353) 19 ac. 2 r. 7 p. 28¼ yds. (354) £18. 10. 1¼. (355) £26. 5. 0.

- (356) 330 p.  $17\frac{1}{2}$  yds. (357) 2 lbs. 5 oz. 3 dwts. 8 grs.  
 (358) £10. 6. 8. (359) £21. 13. 9 $\frac{3}{4}$ . (360) £80. 10. 8.  
 (361) £200. 14. 8 $\frac{1}{2}$ . (362) £5. 14. 9. (363) £30. 8. 5 $\frac{1}{2}$ .  
 (364) £1750. (365) £3. 9. 3. (366) £2. 11. 8.  
 (367) 1686 lbs. Av. 1968 grs. (368) 164283 $\frac{3}{4}$  sq. ft.  
 (369) 23 dys. 3 h. 30 m. 9 s. (370) £15. 11. 3. (371) 1646 days.  
 (372) £16049. 3. 9. (373) 4 tons 18 cwt. 1 qr. 17 lbs. (374) 56 times.  
 (375) 12876 tons 4 cwt. 2 qrs. 12 $\frac{1}{4}$  lbs. (376) 4 lbs. 1 oz. 4 dwts. 9 grs.  
 (377) 130 sq. m. 271 ac. 11 p. 27 $\frac{1}{4}$  yds. (378) 35 yds.  
 (379) 4 lbs. Av. 298 grs. (380) 17 m. 1 fur. 77 yds. (381) 45140 drams.  
 (382) 406 sq. p. 8 yds. 7 $\frac{1}{2}$  ft. (383) 4 tons 5 cwt. 16 lbs.  
 (384) 228 st. 3 lbs. (385) 2 m. 3 fur. 86 yds. 8 $\frac{1}{2}$  in.  
 (386) 1150 $\frac{3}{4}$  in. (387) 4 wks. 6 d. 20 h. 41 m. 3 s. (388) 54450 sq. yds.  
 (389) 437733 sq. in. (390) 8 lbs. 1 oz. 10 dwts. 20 grs.  
 (391) 56 yrs. 242 d. 8 h. (392) 29 tons 18 cwt. 3 qrs. 14 lbs.  
 (393) 9 days. (394) 10 ells 2 qrs. 2 n. 1 $\frac{1}{2}$  in.  
 (395) 14 cwt. 2 qrs. 16 lbs. (396) 11 tons 3 cwt. 24 lbs.  
 (397) 3 cwt. 2 qrs. 26 $\frac{1}{2}$  lbs. (398) 1371 yds. 1 ft.  
 (399) 51 ac. 2 r. 24 p. 14 yds. (400) 16 lbs. 4 oz. 17 dwts. 12 grs.

## COMPOUND ADDITION (WEIGHTS AND MEASURES).

- (1) 165 tons 11 cwt. 3 qrs. (2) 488 cwt. 20 lbs.  
 (3) 271 qrs. 10 lbs. 12 oz. (4) 265 lbs. 3 oz. 7 drs.  
 (5) 384 cwts. 19 lbs. (6) 637 tons 18 cwt. 2 qrs. 24 lbs.  
 (7) 1045 cwts. 21 lbs. 11 oz. (8) 860 tons 7 cwt. 3 qrs. 5 lbs.  
 (9) 988 cwts. 23 lbs. 5 oz. (10) 434 qrs. 20 lbs. 2 oz. 7 drs.  
 (11) 1395 lbs. 5 oz. 8 dwts. (12) 10047 lbs. 1 oz. 2 dwts.  
 (13) 2636 lbs. 2 oz. 10 dwts. (14) 13 lbs. 9 oz. 16 dwts. 6 grs.  
 (15) 897 lbs. 5 oz. 2 dwts. (16) 1379 lbs. 6 oz. 19 dwts.  
 (17) 122 lbs. 4 oz. 4 dwts. 4 grs. (18) 15 lbs. 5 oz. 8 dwts. 8 grs.  
 (19) 1371 lbs. 7 oz. 4 dwts. (20) 15 lbs. 1 oz. 18 dwts. 7 grs.  
 (21) 856 lbs. 1 dr. (22) 15 lbs. 3 oz. 2 drs. 1 sc.  
 (23) 3 lbs. 5 oz. 4 drs. 2 sc. 18 grs. (24) 600 lbs. 7 drs.  
 (25) 954 lbs. 4 oz. 1 dr. (26) 5 lbs. 2 oz. 3 drs. 2 sc. 13 grs.  
 (27) 5 lbs. 5 oz. 1 dr. 2 sc. 15 grs. (28) 32 lbs. 4 oz. 4 drs. 1 sc.  
 (29) 928 lbs. 2 oz. (30) 3 lbs. 9 oz. 2 drs. 1 sc. 5 grs.  
 (31) 86 m. 38 p. (32) 10 m. 1 fur. 33 p. 5 yds.  
 (33) 34 m. 6 fur. 34 p. 0 $\frac{1}{2}$  yd. (34) 1 m. 2 fur. 39 p. 2 yds. 1 ft.  
 (35) 447 yds. 2 ft. 7 in. (36) 23440 yds. 1 ft. 6 in.

- (37) 618 m. 2 fur. 4 p. (38) 53 m. 5 fur. 26 p. 4 yds.  
 (39) 559 p. 1 yd.  $0\frac{1}{2}$  ft. (40) 113 m. 6 fur. 3 p.  
 (41) 2325 yds. 1 qr. 2 in. (42) 16797 yds. 2 qr. 2 n.  
 (43) 89 yds. 3 qrs.  $1\frac{1}{4}$  in. (44) 410 yds. 3 qrs. 1 n.  $0\frac{1}{2}$  in.  
 (45) 366 yds. 3 qrs. 3 n.  $0\frac{1}{4}$  in. (46) 93 yds. 1 qr. 1 n.  $0\frac{3}{4}$  in.  
 (47) 2685 yds. 1 qr. 2 nls. (48) 4396 yds. 1 qr. 2 nls.  
 (49) 323 yds. 1 qr. (50) 166 yds. 1 n.  $1\frac{3}{4}$  in.  
 (51) 2328 ac. 1 r. 3 p.  $22\frac{1}{2}$  yds. (52) 43 ac. 2 r. 7 p. 11 yds.  $8\frac{1}{2}$  ft.  
 (53) 4 ac. 1 r. 15 p. 14 yds. 3 ft. 129 in. (54) 892 ac. 1 r. 24 p.  $22\frac{1}{4}$  yds.  
 (55) 11624 ac. 2 r. 26 p. (56) 952 ac. 8 p.  $15\frac{3}{4}$  yds.  
 (57) 3579 yds. 4 ft. 51 in. (58) 109 p. 19 yds.  $5\frac{1}{4}$  ft.  
 (59) 2976 ac. 3 r. 39 p. (60) 96 ac. 1 r. 28 p.  $1\frac{1}{4}$  yds.  
 (61) 1841 lds. 4 qrs. 2 bus. (62) 199 qrs. 7 bus. 1 pk.  
 (63) 155 bus.  $0\frac{1}{2}$  gal. (64) 119 pks. (65) 199 gals. 1 pt.  
 (66) 436 lds. 1 qr. 7 bus. (67) 1009 qrs. 4 bus. 3 pks.  
 (68) 418 qrs. 5 bus. 1 pk. (69) 92 qts. 1 pt. (70) 2762 lds. 4 qrs. 4 bus.  
 (71) 101 c. yds. 19 ft. 574 in. (72) 844 c. yds. 21 ft. 69 in.  
 (73) 152 c. yds. 1 ft. 1581 in. (74) 131 c. yds. 184 in.  
 (75) 791 c. yds. 16 ft. 1624 in. (76) 86 c. yds. 9 ft. 567 in.  
 (77) 211 c. yds. 11 ft. 1699 in. (78) 195 c. yds. 22 ft. 895 in.  
 (79) 82 c. yds. 3 ft. 1161 in. (80) 540 c. yds. 11 ft. 1087 in.  
 (81) 76 yrs. 26 wks. 6 dys. (82) 339 yrs. 28 wks. 1 dy.  
 (83) 146 dys. 20 h. 45 m. (84) 227 dys. 19 h. (85) 56 hrs. 54 m. 50 s.  
 (86) 143 yrs. 63 dys. 12 h. (87) 92 dys. 5 h. 29 m. (88) 80 wks. 10 h.  
 (89) 70 dys. 23 h. 4 m. (90) 112 h. 7 m. 51 s. (91) 263 tons.  
 (92) 9 tons 4 cwt. 3 qr. 23 lbs. (93) 66 m. 4 fur. 4 yds.  
 (94) 8 m. 7 fur. 38 p. 2 yds. (95) 91 sq. m. 622 ac. 1 r.  
 (96) 188 qrs. 1 bus. 3 pks. (97) 121 yds. 1 ft. 9 in.  
 (98) 242 sq. yds. 3 ft. 30 in. (99) 107 yrs. 213 d. 18 h.  
 (100) 94 c. yds. 18 ft. 160 in. (101) 15 yds. 2 ft. 11 in.  
 (102) 15 tons 17 cwt. 2 qrs. 14 lbs. (103) 486 tons 10 cwt. 1 qr.  
 (104) 68 ac. 22 p.  $6\frac{1}{2}$  yds. (105) 77 yds. 2 qrs. 3 n.  $0\frac{1}{4}$  in.  
 (106) 80 m. 2 fur. 5 p. 4 yds. (107) 4 tons 17 cwt. 3 qrs. 14 lbs.  
 (108) 13 lbs. 1 oz. 15 dwts. (109) 108 ac. 2 r. 5 p.  
 (110) 47 c. yds. 8 ft. 1275 in. (111) 10 m. 124 yds. 2 ft.  
 (112) 889 m. 4 fur. 22 p. 1 ft. (113) 2 ac. 1712 yds.  
 (114) 140324 grains. (115) 17093 ac. 2 r.  $10\frac{1}{2}$  p.  
 (116) 24 qrs. 3 bus. 2 pks. (117) 197° 27' 58".  
 (118) 128 dys. 6 h. 17 m. 27 sec. (119) 498 c. yds. 6 ft. 12 in.  
 (120) 147 gallons. (121) 131 m. 4 fur. 55 yds.  
 (122) 237 tons 8 cwt. 1 qr. (123) 170 tons 9 cwt.

- (124) 1694 m. 560 yds.      (125) 3954 gals. 3 qts.      (126) 23 yds. 3 in.  
 (127) 116 m. 2 fur. 7 p. 5 yds. 1 ft.      (128) 77 tons 1 cwt. 1 qr.  
 (129) 338 yds. 1 qr. 1 n.      (130) 22 tons 6 cwt. 1 qr. 22 lbs. 6 oz. 5 drs.  
 (131) 48 m. 5 fur. 86 yds.      (132) 17 cwt. 3 qrs. 16 lbs.  
 (133) 86 qrs. 2 pks.      (134) 12 ac. 8 p. 22 yds. 11 in.  
 (135) 53° 38' 46".      (136) 273 lbs. Av. 6090 grs.  
 (137) 3266 c. yds. 14 ft. 958 in.      (138) £478. 19. 6.      (139) 10 times  
 (140) £2. 3. 4.      (141) 12 m. 109 yds.      (142) 606 gallons.  
 (143) £592. 10. 0.      (144) 6s. 9d.      (145) £108. 15. 10.  
 (146) 196 ac. 3 r. 36 p.; £4858. 14. 4.      (147) 3 tons 1 cwt. 1 qr. 18 lbs  
 (148) 589 miles.      (149) 7 ac. 20 p. 13 yds. 92 in.  
 (150) 26 lds. 4 qrs. 7 bus. 1 pk.

## COMPOUND SUBTRACTION (WEIGHTS AND MEASURES).

- (1) 10 cwt. 2 qrs. 22 lbs.      (2) 11 tons 19 cwt. 1 qr.  
 (3) 4 qrs. 23 lbs. 14 oz.      (4) 12 lbs. 11 oz. 7 drs.  
 (5) 4 tons 14 cwt. 2 qrs. 16 lbs.      (6) 5 tons 12 cwt. 2 qrs. 14 lbs.  
 (7) 16 cwt. 1 qr. 24 lbs. 14 oz.      (8) 11 qrs. 14 lbs. 15 oz. 5 drs.  
 (9) 10 tons 15 cwt. 2 qrs. 16 lbs.      (10) 99 cwt. 3 qrs. 27 lbs. 14 oz.  
 (11) 6 cwt. 3 qrs. 25 lbs. 9 oz.      (12) 51 qrs. 21 lbs. 7 oz. 15 drs.  
 (13) 182 tons 16 cwt. 11 oz.      (14) 3 tons 6 cwt. 20 lbs. 10 oz.  
 (15) 3 tons 16 cwt. 1 qr. 4 lbs. 2 oz.      (16) 19 tons 4 cwt. 2 qrs. 17 lbs. 8 oz.  
 (17) 1 qr. 10 lbs. 12 oz. 3 drs.      (18) 7 cwt. 2 qrs. 25 lbs. 12 oz. 12 drs.  
 (19) 31 cwt. 20 lbs. 9 oz. 5 drs.      (20) 38 cwt. 3 qrs. 26 lbs. 14 drs.  
 (21) 663 tons 2 cwt. 3 qrs. 5 lbs. 12 oz.  
 (22) 85 tons 14 cwt. 3 qrs. 12 lbs. 14 oz.  
 (23) 15 tons 18 cwts. 3 qrs. 27 lbs. 11 oz.      (24) 81 tons 26 lbs. 9 oz. 15 drs  
 (25) 1 lb. 9 oz. 3 dwts. 4 grs.      (26) 1 oz. 17 dwts. 13 grs.  
 (27) 8 lbs. 5 oz. 18 dwts. 21 grs.      (28) 6 lbs. 10 oz. 12 dwts. 20 grs.  
 (29) 29 lbs. 11 dwts. 14 grs.      (30) 10 oz. 17 dwts. 20 grs.  
 (31) 17 lbs. 5 oz. 9 dwts. 20 grs.      (32) 156 lbs. 6 oz. 1 dwt. 8 grs.  
 (33) 25 lbs. 9 oz. 12 dwts. 17 grs.      (34) 7 lbs. 9 oz. 3 dwts. 11 grs.  
 (35) 19 lbs. 4 oz. 4 dwts. 11 grs.      (36) 78 lbs. 7 oz. 17 dwts. 18 grs.  
 (37) 5 lbs. 8 oz. 8 dwts. 12 grs.      (38) 6 lbs. 10 oz. 11 grs.  
 (39) 10 lbs. 10 oz. 18 dwts. 20 grs.      (40) 7 lbs. 10 oz. 5 dwts. 9 grs.  
 (41) 8 lbs. 11 oz. 7 drs.      (42) 8 oz. 3 drs. 2 sc.      (43) 80 lbs. 11 oz. 2 sc.  
 (44) 1 lb. 5 oz. 1 sc.      (45) 10 oz. 5 drs. 1 sc. 18 grs.  
 (46) 5 oz. 5 drs. 1 sc. 6 grs.      (47) 6 oz. 7 drs. 19 grs.  
 (48) 95 oz. 5 drs. 1 sc. 16 grs.      (49) 992 oz. 4 drs. 2 grs.

COMPOUND SUBTRACTION (WEIGHTS AND MEASURES). 325

- (50) 11 oz. 6 drs. 1 sc. 15 grs. (51) 20 lbs. 11 oz. 5 drs. 2 sc.  
 (52) 2 lbs. 4 oz. 5 drs. 2 sc. (53) 87 m. 3 fur. 16 p.  
 (54) 96 m. 1 fur. 27 p. (55) 34 p.  $4\frac{1}{2}$  yards. (56) 6 fur. 38 p.  $5\frac{1}{4}$  yds.  
 (57) 23 yds. 0 ft. 9 in. (58) 70 yds. 1 ft. 6 in.  
 (59) 5 yds. 2 ft. 8 in. (60) 2 ft. 9 in.  
 (61) 2 m. 4 fur. 26 p.  $1\frac{1}{2}$  yds. (62) 13 m. 4 fur. 1 p.  $1\frac{1}{2}$  yds.  
 (63) 75 m. 6 fur. 38 p.  $4\frac{1}{2}$  yds. (64) 888 m. 4 fur. 22 p. 2 yds.  
 (65) 11 fur. 33 p. 4 yds.  $0\frac{1}{2}$  ft. (66) 1 fur. 12 p. 4 yds.  $0\frac{1}{2}$  ft.  
 (67) 19 fur. 21 p. 5 yds.  $0\frac{1}{2}$  ft. (68) 688 fur. 29 p. 4 yds.  $2\frac{1}{2}$  ft.  
 (69) 6 fur.  $4\frac{1}{2}$  yds. (70) 87 p. 4 yds. 2 ft. 4 in.  
 (71) 13 p. 5 yds. 2 ft. 9 in. (72) 13 p. 4 yds. 1 ft. 3 in.  
 (73) 62 m. 7 fur. 39 p.  $4\frac{1}{2}$  yds. (74) 1 fur. 27 p. 5 yds. 2 ft.  
 (75) 91 fur. 38 p. 1 yd. 2 ft. (76) 3 p. 3 yds. 8 in. (77) 27 ac. 3 r. 21 p.  
 (78) 29 ac. 1 r. 29 p. (79) 1905 ac. 3 r.  $6\frac{1}{2}$  p. (80) 1 ac.  $33\frac{1}{4}$  p.  
 (81) 5 sq. yds. 4 ft. 42 in. (82) 33 sq. yds. 4 ft. 69 in.  
 (83) 54 sq. yds. 2 ft. 23 in. (84) 95 sq. yds. 3 ft. 98 in.  
 (85) 6 p. 7 ft. 61 in. (86) 13 p. 28 sq. yds. 8 ft. 31 in.  
 (87) 1 p. 17 sq. yds. 8 ft. 29 in. (88) 26 p. 26 sq. yds. 5 ft. 73 in.  
 (89) 913 ac. 3 r. 39 p.  $21\frac{1}{4}$  yds. (90) 191 ac. 1 r. 33 p.  $28\frac{3}{4}$  yds.  
 (91) 83 ac. 3 r. 3 p.  $27\frac{1}{4}$  yds. (92) 129 ac. 1 r. 32 p.  $22\frac{1}{4}$  yds.  
 (93) 20 r. 23 p. 30 yds.  $1\frac{1}{4}$  ft. (94) 1 r. 37 p. 30 yds.  $3\frac{1}{2}$  ft.  
 (95) 2 r. 37 p. 17 yds.  $1\frac{1}{4}$  ft. (96) 47 r. 34 p. 27 yds.  $0\frac{1}{4}$  ft.  
 (97) 123 sq. m. 550 ac. 2 r. 39 p. (98) 57 sq. m. 627 ac. 1 r. 27 p.  
 (99) 37 sq. m. 630 ac. 2 r. 37 p. (100) 35 ac. 1 r. 4 p.  $12\frac{1}{4}$  yds.  
 101) 29 sq. yds. 8 ft. 53 in. (102) 1 p. 17 sq. yds. 20 in.  
 103) 33 p. 1 sq. yd. 7 ft. 85 in. (104) 8 ac. 2 r. 10 p. 13 yds.  
 105) 12 yrs. 9 m. 1 wk. (106) 34 yrs. 7 m. 3 wks.  
 107) 11 m. 2 wks. 6 dys. (108) 102 m. 2 wks. 5 dys.  
 109) 68 wks. 0 dys. 8 h. (110) 4 wks. 5 dys. 23 h.  
 111) 328 wks. 5 dys. 19 h. (112) 72 dys. 11 h. 39 m.  
 113) 26 dys. 13 h. 52 m. (114) 3 h. 59 m. 56 s.  
 115) 73 h. 28 m. 54 s. (116) 81 h. 4 m. 48 s. (117) 40 wks. 6 dys.  
 118) 77 yrs. 10 wks. 5 dys. (119) 5 yrs. 281 dys. 11 hrs.  
 120) 97 yrs. 345 dys. 16 hrs. (121) 5 wks. 4 dys. 7 h. 38 m.  
 122) 54 wks. 4 dys. 19 h. 30 m. (123) 96 wks. 3 dys. 20 h. 27 m.  
 124) 89 wks. 3 dys. 23 h. 16 m. (125) 10 dys. 10 h. 42 m. 45 s.  
 126) 8 dys. 19 h. 48 m. 43 s. (127) 12 yrs. 35 wks. 5 dys. 22 h.  
 128) 82 yrs. 363 dys. 8 h. 26 m. (129) 72 lds. 2 qrs. 5 bus.  
 130) 36 lds. 1 qr. 4 bus. (131) 8 lds. 3 qrs. 7 bus.  
 132) 1003 lds. 3 qrs. 4 bus. (133) 66 qrs. 6 bus. 1 pk.  
 134) 53 qrs. 5 bus. 3 pks. (135) 227 qrs. 5 bus. 3 pks.

- (136) 49 qrs. 7 bus. 3 pks. (137) 6 gals. 2 qts. 1 pt.  
 (138) 15 gals. 3 qts. 1 pt. (139) 125 gals. 3 qts. 1 pt. (140) 14 gals. 3 qts.  
 (141) 4 lds. 1 qr. 3 bus. 2 pks. (142) 1141 lds. 3 qrs. 1 bus. 2 pks.  
 (143) 11 lds. 4 qrs. 7 bus. 3 pks. (144) 133 lds. 2 qrs. 0 bus. 3 pks.  
 (145) 1073 bus. 2 pks. 1 gal. 3 qts. (146) 3 bus. 2 pks. 0 gal. 2 qts.  
 (147) 10 pks. 1 gal. 1 qt. 1 pt. (148) 8 pks. 1 gal. 2 qts. 1 pt.  
 (149) 18 gals. 3 qts. 1 pt. (150) 908 gals. 3 qts. 1 pt.  
 (151) 700 lds. 5 bus. 2 pks. (152) 29 qrs. 3 bus. 3 pks. 1 gal.  
 (153) 7 c. yds. 13 ft. 1589 in. (154) 82 c. yds. 22 ft. 1123 in.  
 (155) 118 c. yds. 13 ft. 1568 in. (156) 877 c. yds. 11 ft. 1630 in.  
 (157) 254 c. yds. 9 ft. 1123 in. (158) 8918 c. yds. 26 ft. 1707 in.  
 (159) 21 c. yds. 19 ft. 1628 in. (160) 496 c. yds. 5 ft. 1657 in.  
 (161) 628 c. yds. 10 ft. 1544 in. (162) 85 c. yds. 13 ft. 1037 in.  
 (163) 366 c. yds. 8 ft. 1710 in. (164) 1890 c. yds. 22 ft. 439 in.  
 (165) 8 yds. 0 qrs. 3 nls. (166) 3 qrs. 1 n.  $0\frac{1}{2}$  in.  
 (167) 74 yds. 3 qrs.  $3\frac{1}{2}$  nls. (168) 128 qrs. 3 nls. 1 in.  
 (169) 27 E. ells. 2 qrs. 2 n. (170) 1092 E. ells. 4 qrs. 1 n.  
 (171) 12 yds. 1 qr. 1 n. (172)  $36\frac{1}{4}$  yds. 1 qr. 3 nls.  
 (173) 28 yds. 3 qrs. 3 n.  $0\frac{3}{4}$  in. (174) 15 yds. 1 qr. 2 n. 2 in.  
 (175) 13 yds. 2 qrs. 2 n.  $0\frac{1}{2}$  in. (176) 398 yds. 3 qrs. 2 n.  $1\frac{1}{2}$  n.  
 (177) 123 tons 13 cwt. 2 qrs. 25 lbs. (178) 55 cwts. 105 lbs. 11 oz. 14 drs.  
 (179) 1 cwt. 106 lbs. 8 oz. 9 drs. (180) 58 tons 2 qrs. 14 lbs.  
 (181) 1183 ac. 4063 yds. 7 ft. 50 in. (182) 1 ac. 1747 yds. 5 ft. 134 in.  
 (183) 12 m. 1612 yds. 2 ft. 6 in. (184) 1030 yds. 1 ft. 11 in.  
 (185) 29 m. 4 fur. 29 yds. 1 ft. (186) 107 m. 5 fur. 120 yds. 2 ft.  
 (187) 42 ac. 2989 yds. 4 ft.  $3\frac{1}{4}$  in. (188) 12 ac. 2 r. 6 p.  $22\frac{1}{4}$  yds.  
 (189) 153 qrs. 4 bus. 3 pks. (190) 14 gals. 1 qt. 1 pt.  
 (191) 52 bus. 3 pks. 1 gal. (192) 16 p. 5 yds. 2 ft.  
 (193) 563 sq. yds. 7 ft. 143 in. (194) 625 c. yds. 12 ft. 1534 in.  
 (195) 94 sq. yds. 7 ft. 118 in. (196) 8895 c. yds. 6 ft. 1379 in.  
 (197) 13 yds. 1 ft. 10 in. (198) 14 yds. 2 qrs. 2 nls.  
 (199) 1 qr. 1 nl.  $0\frac{3}{4}$  in. (200) 2 yrs. 262 dys. 13 hrs.  
 (201) 13 cwt. 1 qr. 3 lbs. 15 oz. (202) 14 yds. 2 nls.  $1\frac{1}{4}$  in.  
 (203) 193 lds. 4 bus. 2 pks. (204) 4 hrs. 53 min.  
 (205) 18 min.  $54\frac{1}{2}$  sec. (206) 1 ac. 3 r. 39 p.  $5\frac{1}{2}$  yds.  
 (207) 2085 ac. 12 p.  $28\frac{3}{4}$  yds. (208) 2 tons 11 cwt. 2 qrs. 4 lbs. 4 oz.  
 (209)  $2611\frac{1}{2}$  miles. (210) 14 yds. 1 ft. 6 in. (211) 5 hrs. 50 min.  
 (212) 12 cwt. 1 qr. 6 lbs. (213) 2747 yards. (214) 72 times.  
 (215) 4s.  $0\frac{3}{4}$ d. (216) 5d. (217) 3 minutes. (218) 4 ac. 2 r. 25 p.  
 (219) £200422. 16. 4. (220) 16 cwt. 2 qrs. 15 lbs. 8 oz.  
 (221) 19 ac. 1 r. 35 p.  $29\frac{1}{4}$  yds. (222) 2 cwt. 2 qrs.  $9\frac{1}{2}$  lbs.

## COMPOUND MULTIPLICATION (WEIGHTS AND MEASURES). 327

- |   |   |
|---|---|
| (223) 2 lbs. 6 oz. 6 dwts. 22 grs.                          | (224) 3 ac. 3 r. 36 p. 5 yds. 2 ft. 48 in.  |
| (225) 4 cwt. 27 lbs.  | (226) 1 m. 3 fur. 11 p. $4\frac{1}{4}$ yds. |
| (227) 2 m. 4 fur. 4 p. 1 yd. 1 ft.                          | (228) 10 tons 19 cwt. 13 lbs.               |
| (229) 9 c. yds. 11 ft. 1648 in.                             | (230) £1. 14. 6.                            |
| (231) 2 cwt. 1 qr. 24 lbs. 14 oz.; and the value £55. 7. 6. | (232) £5. 5. 0.                             |
| (233) 4 ac. 2 r. 28 p. $15\frac{1}{4}$ yds.                 | (234) £1. 19. 0.                            |
| (235) 2 hrs. 17 m. 45 sec.                                  | (236) 9 oz. 14 dwts. 13 grs.                |
| (237) 9 oz. 5 grs.  | (238) £5. 17. 9.                            |
| (240) 2 ac. 3 r. 1 p. $13\frac{3}{4}$ yds.                  | (239) 9 m. 4 fur. 103 yds.                  |
| (242) 26 gals. $0\frac{1}{2}$ pt.                           | (241) 88 c. yds. 10 ft.                     |
| (244) 5 yds. 1 qr. 2 n. $0\frac{1}{4}$ in.                  | (243) 33 wks. 6 dys. 10 h. 30 m.            |
| (246) £389. 7. 6.   | (245) 99 cwt. 1 qr. 21 lbs. 8 oz.           |
| (248) 7 ae. 3 r. 18 p. 11 yds. $1\frac{1}{4}$ ft.           | (247) 9 lbs. 1 oz. 7 dwts. 12 grs.          |
| (250) 16 tons 12 cwt. 2 qrs. 2 lbs.                         | (249) 130 qrs. 6 bus. 3 pks.                |

## COMPOUND MULTIPLICATION (WEIGHTS AND MEASURES).

- |   |   |
|---|---|
| (1) 6 tons 11 cwt. 3 qrs. 11 lbs.                 | (2) 13 tons 3 cwt. 2 qrs. 22 lbs.                 |
| (3) 19 tons 15 cwt. 2 qrs. 5 lbs.                 | (4) 26 tons 7 cwt. 1 qr. 16 lbs.                  |
| (5) 32 tons 19 cwt. 0 qrs. 27 lbs.                | (6) 39 tons 11 cwt. 0 qrs. 10 lbs.                |
| (7) 35 cwt. 2 qrs. 15 lbs. 0 oz. 2 drs.           | (8) 59 cwt. 1 qr. 15 lbs. 10 oz. 14 drs.          |
| (9) 83 cwt. 0 qrs. 16 lbs. 5 oz. 10 drs.          | (10) 106 cwt. 3 qrs. 17 lbs. 0 oz. 6 drs.         |
| (11) 130 cwt. 2 qrs. 17 lbs. 11 oz. 2 drs.        | (12) 10 lbs. 7 oz. 2 dwts. 18 grs.                |
| (13) 21 lbs. 2 oz. 5 dwts. 12 grs.                | (14) 31 lbs. 9 oz. 8 dwts. 6 grs.                 |
| (15) 42 lbs. 4 oz. 11 dwts. 0 grs.                | (16) 52 lbs. 11 oz. 13 dwts. 18 grs.              |
| (17) 63 lbs. 6 oz. 16 dwts. 12 grs.               | (18) 48 lbs. 11 oz. 7 drs. 1 sc. 13 grs.          |
| (19) 81 lbs. 7 oz. 7 drs. 0 sc. 15 grs.           | (20) 114 lbs. 3 oz. 6 drs. 2 sc. 17 grs.          |
| (21) 146 lbs. 11 oz. 6 drs. 1 sc. 19 grs.         | (22) 179 lbs. 7 oz. 6 drs. 1 sc. 1 gr.            |
| (23) 63 yds. 2 ft. 9 in.                          | (24) 127 yds. 2 ft. 6 in.                         |
| (25) 191 yds. 2 ft. 3 in.                         | (26) 255 yds. 2 ft. 0 in.                         |
| (27) 319 yds. 1 ft. 9 in.                         | (28) 383 yds. 1 ft. 6 in.                         |
| (29) 16 m. 2 fur. 3 p. $0\frac{1}{2}$ yds.        | (30) 27 m. 0 fur. 31 p. $4\frac{1}{2}$ yds.       |
| (31) 37 m. 7 fur. 20 p. 3 yds.                    | (32) 48 m. 6 fur. 9 p. $1\frac{1}{2}$ yds.        |
| (33) 59 m. 4 fur. 38 p.                           | (34) 43 ac. 3 r. $3\frac{1}{2}$ p.                |
| (35) 87 ac. 2 r. 7 p.                             | (36) 131 ac. 1 r. $10\frac{1}{2}$ p.              |
| (38) 218 ac. 3 r. $17\frac{1}{2}$ p.              | (37) 175 ac. 0 r. 14 p.                           |
| (40) 22 ac. 2 r. 16 p. 4 yds. $0\frac{3}{4}$ ft.  | (39) 262 ac. 2 r. 21 p.                           |
| (42) 52 ac. 2 r. 37 p. 19 yds. $5\frac{1}{2}$ ft. | (41) 37 ac. 2 r. 26 p. 26 yds. $8\frac{3}{4}$ ft. |
| (44) 82 ac. 3 r. 19 p. 4 yds. 8 ft.               | (43) 67 ac. 3 r. 8 p. 12 yds. $2\frac{1}{4}$ ft.  |
| (46) 47 yds. 2 qrs. 3 n. $1\frac{1}{4}$ in.       | (45) 15 ac. 0 r. 10 p. 22 yds. 8 ft.              |
| (48) 95 yds. 1 qr. 3 n. $0\frac{1}{4}$ in.        | (47) 71 yds. 2 qrs. 1 n. $0\frac{3}{4}$ in.       |
|   | (49) 119 yds. 1 qr. 0 n. $1\frac{1}{2}$ in.       |

- (50) 143 yds. 0 qr. 2 n.  $1\frac{1}{2}$  in. (51) 39 yrs. 30<sup>o</sup> dys. 17 hrs.  
 (52) 66 yrs. 151 dys. 4 hrs. 20 min. (53) 92 yrs. 357 dys. 15 hrs. 40 min.  
 (54) 119 yrs. 199 dys. 3 hrs. (55) 146 yrs. 40 dys. 14 hrs. 20 min.  
 (56) 725 lds. 4 qrs. 2 bus. 1 pk. (57) 829 lds. 2 qrs. 6 bus.  
 (58) 933 lds. 1 qr. 1 bus. 3 pks. (59) 622 lds. 0 qrs. 6 bus. 2 pks.  
 (60) 414 lds. 3 qrs. 7 bus. (61) 185 tons 7 cwt. 2 qrs. 14 lbs.  
 (62) 211 tons 17 cwt. 1 qr. 4 lbs. (63) 198 tons 12 cwt. 1 qr. 23 lbs.  
 (64) 238 tons 6 cwt. 3 qrs. 22 lbs. (65) 155 m. 0 fur. 32 p. 3 yds.  
 (66) 162 m. 3 fur. 36 p. (67) 147 m. 5 fur. 29 p.  $0\frac{1}{2}$  yds.  
 (68) 227 c. yds. 17 ft. 1248 in. (69) 265 c. yds. 16 ft. 304 in.  
 (70) 256 c. yds. 3 ft. 108 in. (71) 284 c. yds. 15 ft. 696 in.  
 (72) 633 yds. 1 ft. 6 in. (73) 563 yds. 0 ft. 4 in.  
 (74) 580 yds. 2 ft.  $1\frac{1}{2}$  in. (75) 703 yds. 2 ft. 8 in.  
 (76) 338 lbs. 3 oz. 14 dwts. 18 grs. (77) 362 lbs. 5 oz. 14 dwts. 9 grs.  
 (78) 386 lbs. 7 oz. 14 dwts. (79) 402 lbs. 9 oz. 0 dwts. 10 grs.  
 (80) 2259 yds. 1 qr. 2 n. (81) 2343 yds. 0 qrs. 0 nls. 2 in.  
 (82) 2510 yds. 1 qr. 2 nls.  $1\frac{1}{2}$  in. (83) 2635 yds. 3 qrs. 3 nls.  
 (84) 4734 ac. 3 r. 8 p. (85) 4882 ac. 3 r. 2 p. (86) 5178 ac. 2 r. 30 p.  
 (87) 5326 ac. 2 r. 24 p. (88) 1449 ac. 1 r. 11 p.  $28\frac{1}{2}$  yds.  
 (89) 1565 ac. 1 r. 3 p. 9 yds. (90) 1623 ac. 0 r. 38 p.  $29\frac{1}{2}$  yds.  
 (91) 884 lbs. 3 oz. 0 drs. 1 sc. 19 grs.  
 (92) 1010 lbs. 6 oz. 7 drs. 1 sc. 16 grs.  
 (93) 1033 lbs. 6 oz. 4 drs. 1 sc. 10 grs.  
 (94) 1102 lbs. 5 oz. 3 drs. 0 sc. 12 grs.  
 (95) 10295 cwt. 0 qrs. 13 lbs. (96) 11439 cwt. 0 qrs. 2 lbs.  
 (97) 11231 cwt. 0 qrs. 4 lbs. (98) 12478 cwt. 3 qrs. 20 lbs.  
 (99) 887 cwts. 1 qr. 14 lbs. 6 oz. (100) 968 cwts. 0 qrs. 5 lbs. 8 oz.  
 (101) 1056 cwts. 0 qrs. 6 lbs. (102) 1320 cwts. 0 qrs. 7 lbs. 8 oz.  
 (103) 6263 yrs. 163 dys. 8 hrs. (104) 7516 yrs. 50 dys.  
 (105) 7046 yrs. 138 dys. 3 hrs. (106) 6012 yrs. 332 dys.  
 (107) 15468 tons 5 cwt. 70 lbs. (108) 11048 tons 15 cwt. 50 lbs.  
 (109) 37713 tons 2 cwt. 96 lbs. (110) 47141 tons 8 cwt. 64 lbs.  
 (111) 13260 p. 3 yds. 1 ft. (112) 13923 p. 3 yds. 1 ft. 6 in.  
 (113) 4351 p. 0 yds. 2 ft. 3 in. (114) 57 lbs. 3 oz. 14 drs.  
 (115) 43 lbs. 12 oz. 6 drs. (116) 63 lbs. 15 oz. 10 drs.  
 (117) 97 lbs. 10 oz. 6 drs. (118) 413 yds. 1 ft. 1 in.  
 (119) 557 yds. 0 ft. 5 in. (120) 664 yds. 2 ft. 11 in.  
 (121) 540 c. yds. 18 ft. 1218 in. (122) 619 c. yds. 22 ft. 174 in.  
 (123) 606 c. yds. 17 ft. 60 in. (124) 1200 c. yds. 2 ft. 6 in.  
 (125) 4789 sq. yds. 1 ft. 97 in. (126) 9695 sq. yds. 1 ft. 91 in.  
 (127) 13900 sq. yds. 2 ft. 127 in. (128) 6891 sq. yds. 6 ft. 115 in.

COMPOUND MULTIPLICATION (WEIGHTS AND MEASURES). 329

- (129) 924 lbs. 4 oz. 15 dwts. 9 grs. (130) 735 lbs. 6 oz. 10 dwts. 2 grs.  
 (131) 785 lbs. 2 oz. 17 dwts. 19 grs. (132) 1103 lbs. 3 oz. 15 dwts. 3 grs.  
 (133) 1954 yrs. 6 m. (134) 2030 yrs. 10 m. 2 wks.  
 (135) 4626 yrs. 7 m. 2 wks. (136) 74088 yds. 0 ft.  $4\frac{1}{2}$  in.  
 (137) 26378 yds. 0 ft.  $4\frac{1}{2}$  in. (138) 25001 yds. 2 ft.  $7\frac{1}{2}$  in.  
 (139) 33718 yds. 0 ft.  $4\frac{1}{2}$  in. (140) 32332 m. 3 fur. 34 p.  
 (141) 26031 m. 7 fur. 38 p.  $1\frac{1}{2}$  yds. (142) 31691 m. 0 fur. 39 p.  $3\frac{1}{2}$  yds.  
 (143) 27346 m. 2 fur. 39 p. 2 yds. (144) 2614 wks. 4 d. 15 h. 15 m.  
 (145) 1937 wks. 4 d. 7 h. 50 m. (146) 834 wks. 1 d. 0 h. 55 m.  
 (147) 1193 wks. 1 d. 16 h. 55 m. (148) 969 lbs. 11 oz. 1 dr. 0 sc. 14 grs.  
 (149) 841 lbs. 2 oz. 4 drs. 1 sc. 3 grs.  
 (150) 438 lbs. 1 oz. 7 drs. 0 sc. 13 grs.  
 (151) 953 lbs. 0 oz. 2 drs. 1 sc. 17 grs. (152) 1733 cwt. 3 qrs. 19 lbs. 8 oz.  
 (153) 463 cwt. 1 qr. 25 lbs. 8 oz. (154) 1860 cwt. 3 qrs. 24 lbs. 8 oz.  
 (155) 1691 cwt. 2 qrs. 8 lbs. 8 oz. (156) 1066 sq. yds. 4 ft. 142 in.  
 (157) 2503 sq. yds. 8 ft. 53 in. (158) 2263 sq. yds. 7 ft. 1 in.  
 (159) 2560 sq. yds. 3 ft. 133 in. (160) 3728 ac. 1 r. 13 p.  $25\frac{1}{2}$  yds.  
 (161) 11630 ac. 2 r. 5 p.  $12\frac{3}{4}$  yds. (162) 5475 ac. 1 r. 1 p. 25 yds.  
 (163) 1254 ac. 2 r. 0 p.  $15\frac{1}{4}$  yds. (164) 12676 yds. 3 qrs. 2 n. 1 in.  
 (165) 5791 yds. 2 qrs. 1 n.  $0\frac{1}{4}$  in. (166) 12390 yds. 0 qrs. 0 n.  $0\frac{1}{2}$  in.  
 (167) 8194 yds. 1 qr. 0 n.  $0\frac{1}{2}$  in. (168) 16196 qrs. 5 bus. 0 pk. 1 gal.  
 (169) 22055 qrs. (170) 60651 qrs. 2 bus.  
 (171) 57706 qrs. 3 bus. 1 pk. (172) 153574 gals. 3 qts.  
 (173) 140716 gals. (174) 114188 gals. 3 qts. 1 pt.  
 (175) 26930 tons 17 cwt. 1 qr. 2 lbs. 13 oz. 8 drs.  
 (176) 21140 tons 10 cwt. 2 qrs. 2 lbs. 3 oz.  
 (177) 25098 tons 12 cwt. 3 qrs. 25 lbs. 9 oz. 8 drs.  
 (178) 16491 lbs. 2 oz. 18 dwts. 23 grs. (179) 1425 lbs. 11 oz. 8 dwts. 8 grs.  
 (180) 103344 lbs. 7 oz. 15 dwts. 15 grs.  
 (181) 275592 lbs. 5 oz. 5 drs. 1 sc.  
 (182) 7820 lbs. 7 oz. 6 drs. 1 sc. 18 grs.  
 (183) 153059 lbs. 7 oz. 5 drs. 0 sc. 1 gr.  
 (184) 1407 m. 2 fur. 17 p. 3 yds. 6 in.  
 (185) 20189 m. 7 fur. 23 p. 3 yds. 1 ft. 6 in.  
 (186) 337 m. 7 fur. 5 p. 3 yds. 1 ft.  
 (187) 2772 ac. 1 r. 35 p. 11 yds. 5 ft. 36 in.  
 (188) 55552 ac. 0 r. 17 p. 3 yds. 4 ft. 124 in.  
 (189) 64447 ac. 0 r. 18 p. 29 yds. 3 ft. 34 in.  
 (190) 136374 c. yds. 9 ft. 1470 in. (191) 172049 c. yds. 23 ft. 736 in.  
 (192) 1764578 c. yds. 18 ft. 1129 in.  
 (193) 90752 lds. 3 qrs. 0 bus. 0 pk. 1 gal.

- (194) 125317 lds. 0 qrs. 0 bus. 2 pks.  
 (195) 93366 lds. 3 qrs. 0 bus. 1 pk. 1 gal.  
 (196) 87 yrs. 223 dys. 21 hrs. 55 m.  
 (197) 2174 yrs. 71 dys. 23 hrs. 27 m. 30 s.  
 (198) 20116 yrs. 186 dys. 18 hrs. 42 m. 30 s.  
 (199) 268440 yds. 0 qrs. 2 n.  $0\frac{3}{4}$  in. (200) 427330 yds. 3 qrs. 2 n.  $1\frac{3}{4}$  in.  
 (201) 2 ft. 3'. (202) 11 ft. 1' 4". (203) 21 ft. 1'. (204) 38 ft. 11' 5".  
 (205) 48 ft. 11' 6". (206) 78 ft. 0' 4". (207) 108 ft. 4' 0".  
 (208) 54 ft. 2' 9". (209) 380 ft. 3' 0". (210) 269 ft. 5' 9".  
 (211) 74 ft. 4' 6". (212) 82 ft. 2' 0". (213) 280 ft. 3' 9".  
 (214) 254 ft. 8' 3". (215) 26 ft. 8'  $10\frac{1}{2}$ ". (216) 22 ft. 6' 9".  
 (217) 110 ft. 0'  $10\frac{3}{4}$ ". (218) 5 sq. yds. 5 ft. 5'. (219) 28 sq. yds. 4 ft.  
 (220) 96 sq. yds. 8 ft. 1'. (221) 53 sq. yds. 2 ft. 9'.  
 (222) 30 sq. yds. 2 ft. 2'. (223) 42 sq. yds. 1 ft. 5'.  
 (224) 6 sq. yds. 2 ft. 10'. (225) 40 sq. yds. 6 ft. 8' 4".  
 (226) 13 sq. yds. 6 ft. 7' 6". (227) 23 sq. yds. 5 ft. 6'.  
 (228) 11 sq. yds. 8 ft. 6' 4" 6". (229) 13 sq. yds. 8 ft. 10' 8".  
 (230) 24 sq. yds. 6 ft. 7' 2". (231) 4 sq. yds. 2 ft. 1' 1" 6".  
 (232) 4 sq. yds. 3 ft. 7'. (233) 5 sq. yds. 6 ft. 8' 10".  
 (234) 8 c. ft. 4'. (235) 15 c. ft. (236) 20 c. yds.  
 (237) 6 c. yds. 11 ft. 4'. (238) 8 c. yds. 17 ft. 9'.  
 (239) 6 c. yds. 3 ft. 4' 6". (240) 5 c. yds. 5 ft. 7' 6".  
 (241) 31 c. yds. 4 ft. 6'. (242) 13 c. yds. 3 ft. 4' 6".  
 (243) 4 c. yds. 18 ft. 6' 9". (244) 5 c. yds. 13 ft. 6'.  
 (245) 12 c. yds. 3 ft. 3'. (246) 1 c. yd. 2 ft. 3'.  
 (247) 16 c. ft. 3'. (248) 1 c. yd. 26 ft. 6' 1". (249) 8 c. yds. 15 ft. 11'.  
 (250) 6 c. yds. 15 ft. 3' 1" 6". (251) 1 qr. 1 nl. (252) 177 tons 12 cwt.  
 (253) 25 lbs. 4 oz. 6 dwts. 5 grs. (254) 62 lbs. 6 oz. 4 drs. 15 grs.  
 (255) 2 tons 8 cwt. 3 qrs. 5 lbs. 8 oz. (256) 252 m. 5 fur. 162 yds.  
 (257) 38 ac. 2 r. 20 p.  $25\frac{1}{4}$  yds. (258) 51 qrs. 3 pks.  
 (259) 230 bar. 24 gals. 3 pts. (260) 4 c. yds. 12 ft. 237 in.  
 (261) 783 yrs. 355 dys. (262) 31 tons 2 cwt. 1 qr. 4 lbs.  
 (263) 20 times. (264) 135 p. 3 yds. 2 ft.  $7\frac{1}{2}$  in. (265) 854 half-pints.  
 (266) 198 yrs. 206 dys. (267) 11 cwt. 3 qrs. 10 lbs. 675 grs.  
 (268) 58 yrs. 120 dys. 5 hrs. (269) 3 tons 2 cwt. 1 qr. 7 lbs.  
 (270) 40 sq. ft. 6'. (271) £5. 10. 3. (272) 30 dys.  $4\frac{1}{2}$  hrs.  
 (273) 45 ac. 32 p. (274) 66 cwt. 20 lbs. (275)  $101\frac{1}{4}$  miles.  
 (276) 200 miles. (277) 44810 tons 5 cwt. 1 qr. 12 lbs.  
 (278) 1 hr. 12 m. 48 s. (279) 5 m. 1 fur. 146 yds. 2 ft.  
 (280) 136 yds. 4 in. (281) 7 sq. yds. (282) 25 c. ft. 1152 in.  
 (283) 2028 miles. (284) 2 c. yds. 3 ft.

COMPOUND DIVISION (WEIGHTS AND MEASURES). 331

- |  |   |
|--|---|
| (285) 19 cwt. 1 qr. 13 lbs. 15 oz.             | (286) 197 yds. 2 ft. 4 in.  |
| (287) 113° 53' 10".                            | (288) 750 sq. ft. (289) 758 ft. 4 in.                                     |
| (290) 6 tons 13 cwt. 3 qrs.                    | (291) 19 yrs. 304 dys. 21 h. 30 m.  |
| (292) 534 ac. 3 r. 20 p. 20 $\frac{1}{4}$ yds. | (293) 167 tons 8 cwt. 24 lbs.   |
| (294) 36830357 tons 2 cwt. 3 qrs. 12 lbs.      | (295) 28927 gals. 2 qts.  |
| (296) 10 tons 4 cwt. 1 lb.                     | (297) 471 $\frac{3}{4}$ sq. ft. (298) 51 sq. yds. 6 $\frac{1}{2}$ sq. ft. |
| (299) 26 lbs. 4 dwts.                          | (300) 47 qrs. 4 bus. 1 pk.  |

COMPOUND DIVISION (WEIGHTS AND MEASURES).

- |   |   |
|---|---|
| (1) 56 tons 6 cwt. 3 qrs. 20 lbs. 4 oz.         |   |
| (2) 37 tons 11 cwt. 1 qr. 4 lbs. 2 oz. — 2.     |   |
| (3) 28 tons 3 cwt. 1 qr. 24 lbs. 2 oz.          | (4) 22 tons 10 cwt. 3 qrs. 2 lbs. 8 oz. |
| (5) 18 tons 15 cwt. 2 qrs. 16 lbs. 1 oz. — 2.   |   |
| (6) 16 tons 1 cwt. 3 qrs. 25 lbs. 12 oz. — 4.   |   |
| (7) 14 tons 1 cwt. 2 qrs. 26 lbs. 1 oz.         |   |
| (8) 12 tons 10 cwt. 1 qr. 20 lbs. 0 oz. — 8.    |   |
| (9) 11 tons 5 cwt. 1 qr. 15 lbs. 4 oz.          |   |
| (10) 10 tons 4 cwt. 3 qrs. 16 lbs. 6 oz. — 6.   |   |
| (11) 9 tons 7 cwt. 3 qrs. 8 lbs. 0 oz. — 8.     |   |
| (12) 7 lbs. 6 oz. 16 dwts. 21 grs.              | (13) 5 lbs. 0 oz. 11 dwts. 6 grs.       |
| (14) 3 lbs. 9 oz. 8 dwts. 10 grs. — 2.          | (15) 3 lbs. 0 oz. 6 dwts. 18 grs.       |
| (16) 2 lbs. 6 oz. 5 dwts. 15 grs.               | (17) 2 lbs. 1 oz. 19 dwts. 2 grs. — 4.  |
| (18) 1 lb. 10 oz. 14 dwts. 5 grs. — 2.          | (19) 1 lb. 8 oz. 3 dwts. 18 grs.        |
| (20) 1 lb. 6 oz. 3 dwts. 9 grs.                 | (21) 1 lb. 4 oz. 10 dwts. 8 grs. — 2.   |
| (22) 1 lb. 3 oz. 2 dwts. 19 grs. — 6.           |   |
| (23) 51 lbs. 9 oz. 1 dr. 2 sc. 17 grs. — 1.     |   |
| (24) 34 lbs. 6 oz. 1 dr. 0 sc. 18 grs. — 1.     |   |
| (25) 25 lbs. 10 oz. 4 drs. 2 sc. 18 grs. — 3.   |   |
| (26) 20 lbs. 8 oz. 3 drs. 2 sc. 19 grs.         |   |
| (27) 17 lbs. 3 oz. 0 drs. 1 sc. 19 grs. — 1.    |   |
| (28) 14 lbs. 9 oz. 3 drs. 2 sc. 19 grs. — 2.    |   |
| (29) 12 lbs. 11 oz. 2 drs. 1 sc. 9 grs. — 3.    |   |
| (30) 11 lbs. 6 oz. 0 drs. 1 sc. 6 grs. — 1.     |   |
| (31) 10 lbs. 4 oz. 1 dr. 2 sc. 19 grs. — 5.     |   |
| (32) 9 lbs. 4 oz. 7 drs. 1 sc. 17 grs. — 8      |   |
| (33) 8 lbs. 7 oz. 4 drs. 0 sc. 19 grs. — 7.     |   |
| (34) 508 m. 5 fur. 38 p. 1 yd. 2 ft. 9 in.      |   |
| (35) 339 m. 1 fur. 12 p. 1 yd. 0 ft. 10 in.     |   |
| (36) 254 m. 2 fur. 39 p. 0 yd. 2 ft. 10 in. — 2 |   |
| (37) 208 m. 3 fur. 39 p. 1 yd. 2 ft. 7 in. — 1. |   |
| (38) 169 m. 4 fur. 26 p. 0 yd. 1 ft. 11 in.     |   |

- (39) 145 m. 2 fur. 33 p. 4 yds. 1 ft. 5 in. — 1.  
 (40) 127 m. 1 fur. 19 p. 3 yds. 0 ft. 8 in. — 2.  
 (41) 113 m. 0 fur. 17 p. 2 yds. 0 ft. 9 in. — 3.  
 (42) 101 m. 5 fur. 39 p. 3 yds. 2 ft. 0 in. — 6.  
 (43) 92 m. 3 fur. 39 p. 3 yds. 2 ft. 6 in. — 6.  
 (44) 84 m. 6 fur. 13 p. 0 yds. 0 ft. 11 in. — 6.  
 (45) 37 ac. 3 r. 35 p. 24 yds. 8 ft. 95 in. — 1.  
 (46) 25 ac. 1 r. 10 p. 16 yds. 5 ft. 111 in. — 2.  
 (47) 18 ac. 3 r. 37 p. 27 yds. 5 ft. 65 in. — 3.  
 (48) 15 ac. 0 r. 30 p. 9 yds. 8 ft. 124 in. — 3.  
 (49) 12 ac. 2 r. 25 p. 8 yds. 2 ft. 127 in. — 5.  
 (50) 10 ac. 3 r. 15 p. 28 yds. 6 ft. 94 in. — 1.  
 (51) 9 ac. 1 r. 38 p. 28 yds. 8 ft. 50 in. — 7.  
 (52) 8 ac. 1 r. 30 p. 5 yds. 4 ft. 133 in. — 2.  
 (53) 7 ac. 2 r. 15 p. 4 yds. 8 ft. 134 in. — 3.  
 (54) 6 ac. 3 r. 24 p. 21 yds. 0 ft. 50 in. — 1.  
 (55) 6 ac. 1 r. 12 p. 19 yds. 2 ft. 81 in. — 11.  
 (56) 153 yrs. 96 dys. 21 hrs. 0 min. 1 sec. — 1.  
 (57) 102 yrs. 64 dys. 14 hrs. 0 min. 1 sec.  
 (58) 76 yrs. 230 dys. 22 hrs. 30 min. 0 sec. — 3.  
 (59) 61 yrs. 111 dys. 18 hrs. 0 min. 0 sec. — 3.  
 (60) 51 yrs. 32 dys. 7 hrs. 0 min. 0 sec. — 3.  
 (61) 43 yrs. 288 dys. 9 hrs. 25 min. 43 sec. — 2.  
 (62) 38 yrs. 115 dys. 11 hrs. 15 min. 0 sec. — 3.  
 (63) 34 yrs. 21 dys. 12 hrs. 40 min. 0 sec. — 3.  
 (64) 30 yrs. 238 dys. 9 hrs. 0 min. 0 sec. — 3.  
 (65) 27 yrs. 316 dys. 6 hrs. 0 min. 0 sec. — 3.  
 (66) 25 yrs. 198 dys. 15 hrs. 30 min. 0 sec. — 3.  
 (67) 18 lds. 4 qrs. 1 bus. 3 pks. — 1.  
 (68) 12 lds. 2 qrs. 6 bus. 2 pks. — 1.  
 (69) 9 lds. 2 qrs. 0 bus. 3 pks. — 3. (70) 7 lds. 2 qrs. 5 bus. 2 pks. — 1.  
 (71) 6 lds. 1 qr. 3 bus. 1 pk. — 1. (72) 5 lds. 1 qr. 7 bus. 1 pk. — 4.  
 (73) 4 lds. 3 qrs. 4 bus. 1 pk. — 7. (74) 4 lds. 0 qrs. 7 bus. 2 pks. — 1.  
 (75) 3 lds. 3 qrs. 6 bus. 3 pks. — 1. (76) 3 lds. 2 qrs. 1 bus. 0 pks. — 3.  
 (77) 3 lds. 0 qrs. 5 bus. 2 pks. — 7. (78) 155 gals. 1 qt. 0 pts. — 1.  
 (79) 103 gals. 2 qts. 0 pts. — 1. (80) 77 gals. 2 qts. 1 pt. — 1.  
 (81) 62 gals. 0 qts. 1 pt. (82) 51 gals. 3 qts. 0 pts. — 1.  
 (83) 44 gals. 1 qt. 1 pt. (84) 38 gals. 3 qts. 0 pt. — 5.  
 (85) 34 gals. 2 qts. 0 pts. — 1. (86) 31 gals. 0 qts. 0 pts. — 5.  
 (87) 28 gals. 0 qts. 1 pt. — 10. (88) 25 gals. 3 qts. 1 pt. — 1.  
 (89) 256 c. yds. 10 ft. 928 in. — 1. (90) 170 c. yds. 25 ft. 39 in. — 2.

COMPOUND DIVISION (WEIGHTS AND MEASURES). 333

- (91) 128 c. yds. 5 ft. 461 in. — 3. (92) 102 c. yds. 15 ft. 23 in. — 4.  
 (93) 85 c. yds. 12 ft. 883 in. — 5. (94) 73 c. yds. 6 ft. 1481 in. — 1.  
 (95) 64 c. yds. 2 ft. 1094 in. — 7. (96) 56 c. yds. 26 ft. 589 in. — 2.  
 (97) 51 c. yds. 7 ft. 875 in. — 9. (98) 46 c. yds. 16 ft. 1110 in. — 5.  
 (99) 42 c. yds. 19 ft. 1305 in. — 11.  
 (100) 106 yds. 3 qrs. 3 nls. 1 in. —  $1\frac{1}{4}$ .  
 (101) 71 yds. 1 qr. 1 nl. 0 in. — 1. (102) 53 yds. 1 qr. 3 nls. 1 in. —  $3\frac{3}{4}$ .  
 (103) 42 yds. 3 qrs. 0 nls. 1 in. —  $2\frac{3}{4}$ .  
 (104) 35 yds. 2 qrs. 2 nls. 1 in. —  $1\frac{3}{4}$ .  
 (105) 30 yds. 2 qrs. 1 nl. 0 in. — 1.  
 (106) 26 yds. 2 qrs. 3 nls. 2 in. —  $0\frac{3}{4}$ .  
 (107) 23 yds. 3 qrs. 0 nls. 0 in. —  $7\frac{3}{4}$ .  
 (108) 21 yds. 1 qr. 2 nls. 0 in. —  $7\frac{3}{4}$ .  
 (109) 19 yds. 1 qr. 3 nls. 0 in. —  $5\frac{1}{2}$ .  
 (110) 17 yds. 3 qrs. 1 nl. 0 in. —  $7\frac{3}{4}$ .  
 (111) 3 qrs. 1 lb. 4 oz. — 4. (112) 3 qrs. 25 lbs. 10 oz. — 2.  
 (113) 3 qrs. 11 lbs. 15 oz. (114) 18 yds. 1 ft. 11 in.  
 (115) 15 yds. 2 ft. 11 in. — 1. (116) 13 yds. 2 ft. 11 in. — 2.  
 (117) 6 ac. 1 r. 23 p. 14 yds. —  $4\frac{1}{2}$ . (118) 3 ac. 2 r. 8 p. 18 yds. —  $3\frac{1}{4}$ .  
 (119) 4 ac. 2 r. 11 p. 2 yds. (120) 5 ac. 1 r. 12 p. 27 yds. —  $3\frac{1}{4}$ .  
 (121) 2 yds. 0 ft. 1 in. — 6. (122) 1 yd. 1 ft. 2 in. — 1.  
 (123) 1 yd. 0 ft. 8 in. — 1. (124) 2 ft. 6 in. — 21.  
 (125) 10 in. — 21. (126) 2 tons 3 cwt. 1 qr. 11 lbs. — 9.  
 (127) 2 tons 1 cwt. 3 qrs. 5 lbs. — 43.  
 (128) 1 ton 12 cwt. 2 qrs. 1 lb. — 27.  
 (129) 3 tons 13 cwt. 0 qrs. 17 lbs. — 3.  
 (130) 1 ton 3 cwt. 1 qr. 17 lbs. — 79.  
 (131) 21 ac. 3 r. 1075 yds. — 110. (132) 30 ac. 0 r. 1025 yds. — 50.  
 (133) 35 ac. 3 r. 274 yds. — 26. (134) 82 ac. 3 r. 565 yds. — 25.  
 (135) 45 ac. 1 r. 328 yds. — 18. (136) 5 c. yds. 1 ft. 1552 in. — 24.  
 (137) 3 c. yds. 1 ft. 240 in. — 24. (138) 16 ft. 1460 in. — 8.  
 (139) 1 c. yd. 26 ft. 411 in. — 114. (140) 4 c. yds. 6 ft. 1718 in. — 54.  
 (141) 80 yds. 3 qrs. 0 nls. 0 in. —  $30\frac{1}{4}$ .  
 (142) 24 yds. 0 qrs. 0 nls. 1 in. —  $17\frac{1}{4}$ .  
 (143) 20 yds. 0 qrs. 3 nls. 0 in. —  $30\frac{1}{4}$ .  
 (144) 107 yds. 2 qrs. 3 nls. 0 in. — 10.  
 (145) 19 yds. 1 qr. 2 nls. 0 in. —  $57\frac{1}{4}$ .  
 (146) 6 qrs. 4 bus. 3 pks. 1 gal. — 143.  
 (147) 4 qrs. 0 bus. 3 pks. 1 gal. — 197.  
 (148) 3 qrs. 1 bus. 3 pks. 1 gal. — 206.  
 (149) 18 qrs. 4 bus. 1 pk. 0 gals. — 47.

- (150) 11 qrs. 1 bus. 3 pks. 1 gal. — 26.  
 (151) 18 tons 8 cwt. 3 qrs. 18 lbs. — 9.  
 (152) 6 tons 17 cwt. 1 qr. 21 lbs. — 8.  
 (153) 5 tons 13 cwt. 0 qrs. 6 lbs. — 7.  
 (154) 12 tons 1 cwt. 2 qrs. 22 lbs. — 21.  
 (155) 4 tons 4 cwt. 1 qr. 22 lbs. — 37.  
 (156) 28 lds. 4 qrs. 0 bus. 3 pks. — 7.  
 (157) 3 lds. 1 qr. 0 bus. 0 pks. — 46.  
 (158) 6 lds. 2 qrs. 2 bus. 1 pk. — 36.  
 (159) 2 lds. 3 qrs. 2 bus. 1 pk. — 25.  
 (160) 2 lds. 3 qrs. 0 bus. 3 pks. — 33.  
 (161) 10 yrs. 53 dys. 21 hrs. — 32. (162) 9 yrs. 158 dys. 7 hrs. — 76.  
 (163) 8 yrs. 342 dys. 22 hrs. — 137. (164) 3 yrs. 132 dys. 23 hrs. — 419.  
 (165) 2 yrs. 350 dys. 18 hrs. — 545.  
 (166) 1 lb. 2 oz. 10 dwts. 22 grs. — 254.  
 (167) 1 lb. 7 oz. 2 dwts. 6 grs. — 108.  
 (168) 10 lbs. 1 oz. 4 dwts. 9 grs. — 69.  
 (169) 3 lbs. 8 oz. 17 dwts. 0 grs. — 204.  
 (170) 1 lb. 11 oz. 12 dwts. 22 grs. — 454.  
 (171) 12 c. yds. 8 ft. 1267 in. — 457.  
 (172) 10 c. yds. 11 ft. 1296 in. — 310.  
 (173) 40 c. yds. 26 ft. 1041 in. — 73.  
 (174) 28 c. yds. 3 ft. 864 in. — 310. (175) 11 c. yds. 7 ft. 307 in. — 586.  
 (176) 4 ac. 1 r. 16 p. 26 yds. — 47 $\frac{3}{4}$ .  
 (177) 4 ac. 0 r. 33 p. 14 yds. — 169.  
 (178) 5 ac. 1 r. 33 p. 27 yds. — 505. (179) 3 ac. 0 r. 2 p. 15 yds. — 18.  
 (180) 3 ac. 0 r. 2 p. 0 yds. — 408 $\frac{1}{4}$ .  
 (181) 7 tons 13 cwt. 0 qrs. 10 lbs. 5 oz. 14 drs. — 971.  
 (182) 5 tons 7 cwt. 0 qrs. 8 lbs. 9 oz. 6 drs. — 2189.  
 (183) 4 tons 12 cwt. 2 qrs. 13 lbs. 3 oz. 2 drs. — 3351.  
 (184) 4 dwts. 3 grs. — 6447. (185) 2 oz. 11 dwts. 7 grs. — 628.  
 (186) 734 ac. 2 r. 21 p. 6 yds. 1 ft. 137 in. — 74.  
 (187) 11 ac. 3 r. 37 p. 22 yds. 6 ft. 105 in. — 8076.  
 (188) 374 ac. 1 r. 28 p. 2 yds. 8 ft. 109 in. — 242.  
 (189) 97 c. yds. 3 ft. 1466 in. — 775.  
 (190) 105 c. yds. 16 ft. 770 in. — 255.  
 (191) 6 fur. 5 p. 5 yds. 0 ft. 5 in. — 4301.  
 (192) 7 fur. 3 p. 0 yds. 0 ft. 10 in. — 4549.  
 (193) 22 dys. 7 hrs. 7 m. 7 sec. — 6397.  
 (194) 160 dys. 23 hrs. 22 m. 58 sec. — 289.  
 (195) 9 lds. 4 qrs. 2 bus. 2 pks. — 2180.

- (196) 170 lds. 2 qrs. 6 bus. 3 pks. — 317.  
 (197) 21 yds. 1 qr. 0 nls. 2 in. —  $450\frac{1}{2}$ .  
 (198) 9 yds. 1 qr. 2 nls. 0 in. — 2436.  
 (199) 9 oz. 4 drs. 1 sc. 14 grs. — 137.  
 (200) 2 oz. 0 drs. 1 sc. 3 grs. — 2050. (201) 17 yds. 2 ft.  
 (202) 55 times. (203) 2 ft. 4 in. (204) 70 loads.  
 (205)  $8\frac{1}{2}$  pieces. (206) 18 times. (207) 111 posts.  
 (208) 1 ton 14 cwt. 9 lbs. 8 oz. (209) 1 cwt. 2 qrs. 1 lb.  $5\frac{1}{3}$  oz.  
 (210) 90 ac. 3 r. 30 p. (211) 5 lbs. 3 oz. 13 dwts. 12 grs.  
 (212) 117 times. (213) 3 bus. 2 pks. (214) 12 yrs. 7 mths.  
 (215) £3. 8.  $6\frac{1}{2}$ . (216) 30 tons 1 cwt. 1 qr. 1 lb.  
 (217) 1 fur.  $124\frac{3}{4}$  yds. (218) 7s. 6d. (219) 12 days.  
 (220) 19 lbs. 8 oz. (221) 1 bus. 1 gal. (222) 1 ac. 30 p.  
 (223) 54914. (224) 1 ac. 2 r. 35 p. (225) 25 yards.  
 (226) 12 boards. (227) 3 yds. 5 in. (228) 3 r. 35 p.  
 (229) 2 qrs.  $5\frac{1}{2}$  lbs. (230) 5 lbs. 4 oz. (231) 24.  
 (232) 1 ac. 3 r. 30 p. (233) 5 cwt. 3 qrs.  $26\frac{1}{2}$  lbs. (234) 600 times.  
 (235) 1 ld. 4 bus. 2 pks. 2 qts. (236) 120 times. (237) £12. 11. 5.  
 (238) 19602 times. (239) 24. (240) 19 ft.  
 (241) 3 tons 6 cwt. 2 qrs. 20 lbs. (242)  $2\frac{1}{2}$ d. (243) £4. 13. 4.  
 (244) 100 times. (245) 21228 links. (246) 5 ac. 1 r. 35 p.  
 (247) 4 c. ft. 1584 in. (248) 28000. (249) 368.  
 (250) 2 qrs. 18 lbs. 2 oz. 15 drs.

## GREATEST COMMON MEASURE.

- |            |           |            |           |             |            |
|------------|-----------|------------|-----------|-------------|------------|
| (1) 6.     | (2) 60.   | (3) 113.   | (4) 2.    | (5) 256.    | (6) 31.    |
| (7) 1.     | (8) 999.  | (9) 37.    | (10) 413. | (11) 10.    | (12) 317.  |
| (13) 1.    | (14) 1.   | (15) 73.   | (16) 901. | (17) 6.     | (18) 59.   |
| (19) 25.   | (20) 608. | (21) 703.  |           | (22) 839.   | (23) 17.   |
| (24) 19.   | (25) 23.  | (26) 1.    | (27) 11.  | (28) 5.     | (29) 101.  |
| (30) 53.   | (31) 12.  | (32) 8.    | (33) 292. | (34) 10111. |            |
| (35) 97.   | (36) 1.   | (37) 2.    | (38) 107. | (39) 213.   | (40) 1.    |
| (41) 990.  | (42) 93.  | (43) 1050. |           | (44) 44.    | (45) 31.   |
| (46) 1103. | (47) 319. | (48) 909.  |           | (49) 51.    | (50) 7013. |

## LEAST COMMON MULTIPLE.

- |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| (1) 12.   | (2) 112.  | (3) 51.   | (4) 168.  | (5) 60.   |
| (6) 42.   | (7) 30.   | (8) 56.   | (9) 105.  | (10) 63.  |
| (11) 112. | (12) 288. | (13) 153. | (14) 300. | (15) 240. |
| (16) 374. | (17) 120. | (18) 452. | (19) 531. | (20) 120. |

|             |            |              |             |             |
|-------------|------------|--------------|-------------|-------------|
| (21) 315.   | (22) 5016. | (23) 1240.   | (24) 2652.  | (25) 9196.  |
| (26) 57960. | (27) 1140. | (28) 504.    | (29) 2520.  | (30) 3465.  |
| (31) 600.   | (32) 96.   | (33) 13300.  | (34) 1482.  | (35) 600.   |
| (36) 35154. | (37) 2025. | (38) 171360. | (39) 1260.  | (40) 720.   |
| (41) 90.    | (42) 180.  | (43) 120.    | (44) 55440. | (45) 240.   |
| (46) 495.   | (47) 999.  | (48) 16575.  | (49) 5880.  | (50) 55029. |











