

CQ

Tables

2026

**Table of square numbers < 100,000**

|      |      |       |       |       |       |       |
|------|------|-------|-------|-------|-------|-------|
| 1    | 2209 | 8649  | 19321 | 34225 | 53361 | 76729 |
| 4    | 2304 | 8836  | 19600 | 34596 | 53824 | 77284 |
| 9    | 2401 | 9025  | 19881 | 34969 | 54289 | 77841 |
| 16   | 2500 | 9216  | 20164 | 35344 | 54756 | 78400 |
| 25   | 2601 | 9409  | 20449 | 35721 | 55225 | 78961 |
| 36   | 2704 | 9604  | 20736 | 36100 | 55696 | 79524 |
| 49   | 2809 | 9801  | 21025 | 36481 | 56169 | 80089 |
| 64   | 2916 | 10000 | 21316 | 36864 | 56644 | 80656 |
| 81   | 3025 | 10201 | 21609 | 37249 | 57121 | 81225 |
| 100  | 3136 | 10404 | 21904 | 37636 | 57600 | 81796 |
| 121  | 3249 | 10609 | 22201 | 38025 | 58081 | 82369 |
| 144  | 3364 | 10816 | 22500 | 38416 | 58564 | 82944 |
| 169  | 3481 | 11025 | 22801 | 38809 | 59049 | 83521 |
| 196  | 3600 | 11236 | 23104 | 39204 | 59536 | 84100 |
| 225  | 3721 | 11449 | 23409 | 39601 | 60025 | 84681 |
| 256  | 3844 | 11664 | 23716 | 40000 | 60516 | 85264 |
| 289  | 3969 | 11881 | 24025 | 40401 | 61009 | 85849 |
| 324  | 4096 | 12100 | 24336 | 40804 | 61504 | 86436 |
| 361  | 4225 | 12321 | 24649 | 41209 | 62001 | 87025 |
| 400  | 4356 | 12544 | 24964 | 41616 | 62500 | 87616 |
| 441  | 4489 | 12769 | 25281 | 42025 | 63001 | 88209 |
| 484  | 4624 | 12996 | 25600 | 42436 | 63504 | 88804 |
| 529  | 4761 | 13225 | 25921 | 42849 | 64009 | 89401 |
| 576  | 4900 | 13456 | 26244 | 43264 | 64516 | 90000 |
| 625  | 5041 | 13689 | 26569 | 43681 | 65025 | 90601 |
| 676  | 5184 | 13924 | 26896 | 44100 | 65536 | 91204 |
| 729  | 5329 | 14161 | 27225 | 44521 | 66049 | 91809 |
| 784  | 5476 | 14400 | 27556 | 44944 | 66564 | 92416 |
| 841  | 5625 | 14641 | 27889 | 45369 | 67081 | 93025 |
| 900  | 5776 | 14884 | 28224 | 45796 | 67600 | 93636 |
| 961  | 5929 | 15129 | 28561 | 46225 | 68121 | 94249 |
| 1024 | 6084 | 15376 | 28900 | 46656 | 68644 | 94864 |
| 1089 | 6241 | 15625 | 29241 | 47089 | 69169 | 95481 |
| 1156 | 6400 | 15876 | 29584 | 47524 | 69696 | 96100 |
| 1225 | 6561 | 16129 | 29929 | 47961 | 70225 | 96721 |
| 1296 | 6724 | 16384 | 30276 | 48400 | 70756 | 97344 |
| 1369 | 6889 | 16641 | 30625 | 48841 | 71289 | 97969 |
| 1444 | 7056 | 16900 | 30976 | 49284 | 71824 | 98596 |
| 1521 | 7225 | 17161 | 31329 | 49729 | 72361 | 99225 |
| 1600 | 7396 | 17424 | 31684 | 50176 | 72900 | 99856 |
| 1681 | 7569 | 17689 | 32041 | 50625 | 73441 |       |
| 1764 | 7744 | 17956 | 32400 | 51076 | 73984 |       |
| 1849 | 7921 | 18225 | 32761 | 51529 | 74529 |       |
| 1936 | 8100 | 18496 | 33124 | 51984 | 75076 |       |
| 2025 | 8281 | 18769 | 33489 | 52441 | 75625 |       |
| 2116 | 8464 | 19044 | 33856 | 52900 | 76176 |       |

**Table of triangular numbers < 100,000**

|      |      |      |       |       |       |       |       |       |       |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 1081 | 4186 | 9316  | 16471 | 25651 | 36856 | 50086 | 65341 | 82621 |
| 3    | 1128 | 4278 | 9453  | 16653 | 25878 | 37128 | 50403 | 65703 | 83028 |
| 6    | 1176 | 4371 | 9591  | 16836 | 26106 | 37401 | 50721 | 66066 | 83436 |
| 10   | 1225 | 4465 | 9730  | 17020 | 26335 | 37675 | 51040 | 66430 | 83845 |
| 15   | 1275 | 4560 | 9870  | 17205 | 26565 | 37950 | 51360 | 66795 | 84255 |
| 21   | 1326 | 4656 | 10011 | 17391 | 26796 | 38226 | 51681 | 67161 | 84666 |
| 28   | 1378 | 4753 | 10153 | 17578 | 27028 | 38503 | 52003 | 67528 | 85078 |
| 36   | 1431 | 4851 | 10296 | 17766 | 27261 | 38781 | 52326 | 67896 | 85491 |
| 45   | 1485 | 4950 | 10440 | 17955 | 27495 | 39060 | 52650 | 68265 | 85905 |
| 55   | 1540 | 5050 | 10585 | 18145 | 27730 | 39340 | 52975 | 68635 | 86320 |
| 66   | 1596 | 5151 | 10731 | 18336 | 27966 | 39621 | 53301 | 69006 | 86736 |
| 78   | 1653 | 5253 | 10878 | 18528 | 28203 | 39903 | 53628 | 69378 | 87153 |
| 91   | 1711 | 5356 | 11026 | 18721 | 28441 | 40186 | 53956 | 69751 | 87571 |
| 105  | 1770 | 5460 | 11175 | 18915 | 28680 | 40470 | 54285 | 70125 | 87990 |
| 120  | 1830 | 5565 | 11325 | 19110 | 28920 | 40755 | 54615 | 70500 | 88410 |
| 136  | 1891 | 5671 | 11476 | 19306 | 29161 | 41041 | 54946 | 70876 | 88831 |
| 153  | 1953 | 5778 | 11628 | 19503 | 29403 | 41328 | 55278 | 71253 | 89253 |
| 171  | 2016 | 5886 | 11781 | 19701 | 29646 | 41616 | 55611 | 71631 | 89676 |
| 190  | 2080 | 5995 | 11935 | 19900 | 29890 | 41905 | 55945 | 72010 | 90100 |
| 210  | 2145 | 6105 | 12090 | 20100 | 30135 | 42195 | 56280 | 72390 | 90525 |
| 231  | 2211 | 6216 | 12246 | 20301 | 30381 | 42486 | 56616 | 72771 | 90951 |
| 253  | 2278 | 6328 | 12403 | 20503 | 30628 | 42778 | 56953 | 73153 | 91378 |
| 276  | 2346 | 6441 | 12561 | 20706 | 30876 | 43071 | 57291 | 73536 | 91806 |
| 300  | 2415 | 6555 | 12720 | 20910 | 31125 | 43365 | 57630 | 73920 | 92235 |
| 325  | 2485 | 6670 | 12880 | 21115 | 31375 | 43660 | 57970 | 74305 | 92665 |
| 351  | 2556 | 6786 | 13041 | 21321 | 31626 | 43956 | 58311 | 74691 | 93096 |
| 378  | 2628 | 6903 | 13203 | 21528 | 31878 | 44253 | 58653 | 75078 | 93528 |
| 406  | 2701 | 7021 | 13366 | 21736 | 32131 | 44551 | 58996 | 75466 | 93961 |
| 435  | 2775 | 7140 | 13530 | 21945 | 32385 | 44850 | 59340 | 75855 | 94395 |
| 465  | 2850 | 7260 | 13695 | 22155 | 32640 | 45150 | 59685 | 76245 | 94830 |
| 496  | 2926 | 7381 | 13861 | 22366 | 32896 | 45451 | 60031 | 76636 | 95266 |
| 528  | 3003 | 7503 | 14028 | 22578 | 33153 | 45753 | 60378 | 77028 | 95703 |
| 561  | 3081 | 7626 | 14196 | 22791 | 33411 | 46056 | 60726 | 77421 | 96141 |
| 595  | 3160 | 7750 | 14365 | 23005 | 33670 | 46360 | 61075 | 77815 | 96580 |
| 630  | 3240 | 7875 | 14535 | 23220 | 33930 | 46665 | 61425 | 78210 | 97020 |
| 666  | 3321 | 8001 | 14706 | 23436 | 34191 | 46971 | 61776 | 78606 | 97461 |
| 703  | 3403 | 8128 | 14878 | 23653 | 34453 | 47278 | 62128 | 79003 | 97903 |
| 741  | 3486 | 8256 | 15051 | 23871 | 34716 | 47586 | 62481 | 79401 | 98346 |
| 780  | 3570 | 8385 | 15225 | 24090 | 34980 | 47895 | 62835 | 79800 | 98790 |
| 820  | 3655 | 8515 | 15400 | 24310 | 35245 | 48205 | 63190 | 80200 | 99235 |
| 861  | 3741 | 8646 | 15576 | 24531 | 35511 | 48516 | 63546 | 80601 | 99681 |
| 903  | 3828 | 8778 | 15753 | 24753 | 35778 | 48828 | 63903 | 81003 |       |
| 946  | 3916 | 8911 | 15931 | 24976 | 36046 | 49141 | 64261 | 81406 |       |
| 990  | 4005 | 9045 | 16110 | 25200 | 36315 | 49455 | 64620 | 81810 |       |
| 1035 | 4095 | 9180 | 16290 | 25425 | 36585 | 49770 | 64980 | 82215 |       |

**Table of cubes < 1,000,000**

|       |        |        |        |
|-------|--------|--------|--------|
| 1     | 17576  | 132651 | 438976 |
| 8     | 19683  | 140608 | 456533 |
| 27    | 21952  | 148877 | 474552 |
| 64    | 24389  | 157464 | 493039 |
| 125   | 27000  | 166375 | 512000 |
| 216   | 29791  | 175616 | 531441 |
| 343   | 32768  | 185193 | 551368 |
| 512   | 35937  | 195112 | 571787 |
| 729   | 39304  | 205379 | 592704 |
| 1000  | 42875  | 216000 | 614125 |
| 1331  | 46656  | 226981 | 636056 |
| 1728  | 50653  | 238328 | 658503 |
| 2197  | 54872  | 250047 | 681472 |
| 2744  | 59319  | 262144 | 704969 |
| 3375  | 64000  | 274625 | 729000 |
| 4096  | 68921  | 287496 | 753571 |
| 4913  | 74088  | 300763 | 778688 |
| 5832  | 79507  | 314432 | 804357 |
| 6859  | 85184  | 328509 | 830584 |
| 8000  | 91125  | 343000 | 857375 |
| 9261  | 97336  | 357911 | 884736 |
| 10648 | 103823 | 373248 | 912673 |
| 12167 | 110592 | 389017 | 941192 |
| 13824 | 117649 | 405224 | 970299 |
| 15625 | 125000 | 421875 |        |

| $n$ | $n^2$ | $n^3$ | $tn$ | $n$ | $n^2$ | $n^3$  | $tn$ |
|-----|-------|-------|------|-----|-------|--------|------|
| 1   | 1     | 1     | 1    | 46  | 2116  | 97336  | 1081 |
| 2   | 4     | 8     | 3    | 47  | 2209  | 103823 | 1128 |
| 3   | 9     | 27    | 6    | 48  | 2304  | 110592 | 1176 |
| 4   | 16    | 64    | 10   | 49  | 2401  | 117649 | 1225 |
| 5   | 25    | 125   | 15   | 50  | 2500  | 125000 | 1275 |
| 6   | 36    | 216   | 21   | 51  | 2601  | 132651 | 1326 |
| 7   | 49    | 343   | 28   | 52  | 2704  | 140608 | 1378 |
| 8   | 64    | 512   | 36   | 53  | 2809  | 148877 | 1431 |
| 9   | 81    | 729   | 45   | 54  | 2916  | 157464 | 1485 |
| 10  | 100   | 1000  | 55   | 55  | 3025  | 166375 | 1540 |
| 11  | 121   | 1331  | 66   | 56  | 3136  | 175616 | 1596 |
| 12  | 144   | 1728  | 78   | 57  | 3249  | 185193 | 1653 |
| 13  | 169   | 2197  | 91   | 58  | 3364  | 195112 | 1711 |
| 14  | 196   | 2744  | 105  | 59  | 3481  | 205379 | 1770 |
| 15  | 225   | 3375  | 120  | 60  | 3600  | 216000 | 1830 |
| 16  | 256   | 4096  | 136  | 61  | 3721  | 226981 | 1891 |
| 17  | 289   | 4913  | 153  | 62  | 3844  | 238328 | 1953 |
| 18  | 324   | 5832  | 171  | 63  | 3969  | 250047 | 2016 |
| 19  | 361   | 6859  | 190  | 64  | 4096  | 262144 | 2080 |
| 20  | 400   | 8000  | 210  | 65  | 4225  | 274625 | 2145 |
| 21  | 441   | 9261  | 231  | 66  | 4356  | 287496 | 2211 |
| 22  | 484   | 10648 | 253  | 67  | 4489  | 300763 | 2278 |
| 23  | 529   | 12167 | 276  | 68  | 4624  | 314432 | 2346 |
| 24  | 576   | 13824 | 300  | 69  | 4761  | 328509 | 2415 |
| 25  | 625   | 15625 | 325  | 70  | 4900  | 343000 | 2485 |
| 26  | 676   | 17576 | 351  | 71  | 5041  | 357911 | 2556 |
| 27  | 729   | 19683 | 378  | 72  | 5184  | 373248 | 2628 |
| 28  | 784   | 21952 | 406  | 73  | 5329  | 389017 | 2701 |
| 29  | 841   | 24389 | 435  | 74  | 5476  | 405224 | 2775 |
| 30  | 900   | 27000 | 465  | 75  | 5625  | 421875 | 2850 |
| 31  | 961   | 29791 | 496  | 76  | 5776  | 438976 | 2926 |
| 32  | 1024  | 32768 | 528  | 77  | 5929  | 456533 | 3003 |
| 33  | 1089  | 35937 | 561  | 78  | 6084  | 474552 | 3081 |
| 34  | 1156  | 39304 | 595  | 79  | 6241  | 493039 | 3160 |
| 35  | 1225  | 42875 | 630  | 80  | 6400  | 512000 | 3240 |
| 36  | 1296  | 46656 | 666  | 81  | 6561  | 531441 | 3321 |
| 37  | 1369  | 50653 | 703  | 82  | 6724  | 551368 | 3403 |
| 38  | 1444  | 54872 | 741  | 83  | 6889  | 571787 | 3486 |
| 39  | 1521  | 59319 | 780  | 84  | 7056  | 592704 | 3570 |
| 40  | 1600  | 64000 | 820  | 85  | 7225  | 614125 | 3655 |
| 41  | 1681  | 68921 | 861  | 86  | 7396  | 636056 | 3741 |
| 42  | 1764  | 74088 | 903  | 87  | 7569  | 658503 | 3828 |
| 43  | 1849  | 79507 | 946  | 88  | 7744  | 681472 | 3916 |
| 44  | 1936  | 85184 | 990  | 89  | 7921  | 704969 | 4005 |
| 45  | 2025  | 91125 | 1035 | 90  | 8100  | 729000 | 4095 |

| $n$ | $n^2$ | $n^3$   | $tn$ | $n$ | $n^2$ | $n^3$   | $tn$  |
|-----|-------|---------|------|-----|-------|---------|-------|
| 91  | 8281  | 753571  | 4186 | 136 | 18496 | 2515456 | 9316  |
| 92  | 8464  | 778688  | 4278 | 137 | 18769 | 2571353 | 9453  |
| 93  | 8649  | 804357  | 4371 | 138 | 19044 | 2628072 | 9591  |
| 94  | 8836  | 830584  | 4465 | 139 | 19321 | 2685619 | 9730  |
| 95  | 9025  | 857375  | 4560 | 140 | 19600 | 2744000 | 9870  |
| 96  | 9216  | 884736  | 4656 | 141 | 19881 | 2803221 | 10011 |
| 97  | 9409  | 912673  | 4753 | 142 | 20164 | 2863288 | 10153 |
| 98  | 9604  | 941192  | 4851 | 143 | 20449 | 2924207 | 10296 |
| 99  | 9801  | 970299  | 4950 | 144 | 20736 | 2985984 | 10440 |
| 100 | 10000 | 1000000 | 5050 | 145 | 21025 | 3048625 | 10585 |
| 101 | 10201 | 1030301 | 5151 | 146 | 21316 | 3112136 | 10731 |
| 102 | 10404 | 1061208 | 5253 | 147 | 21609 | 3176523 | 10878 |
| 103 | 10609 | 1092727 | 5356 | 148 | 21904 | 3241792 | 11026 |
| 104 | 10816 | 1124864 | 5460 | 149 | 22201 | 3307949 | 11175 |
| 105 | 11025 | 1157625 | 5565 | 150 | 22500 | 3375000 | 11325 |
| 106 | 11236 | 1191016 | 5671 | 151 | 22801 | 3442951 | 11476 |
| 107 | 11449 | 1225043 | 5778 | 152 | 23104 | 3511808 | 11628 |
| 108 | 11664 | 1259712 | 5886 | 153 | 23409 | 3581577 | 11781 |
| 109 | 11881 | 1295029 | 5995 | 154 | 23716 | 3652264 | 11935 |
| 110 | 12100 | 1331000 | 6105 | 155 | 24025 | 3723875 | 12090 |
| 111 | 12321 | 1367631 | 6216 | 156 | 24336 | 3796416 | 12246 |
| 112 | 12544 | 1404928 | 6328 | 157 | 24649 | 3869893 | 12403 |
| 113 | 12769 | 1442897 | 6441 | 158 | 24964 | 3944312 | 12561 |
| 114 | 12996 | 1481544 | 6555 | 159 | 25281 | 4019679 | 12720 |
| 115 | 13225 | 1520875 | 6670 | 160 | 25600 | 4096000 | 12880 |
| 116 | 13456 | 1560896 | 6786 | 161 | 25921 | 4173281 | 13041 |
| 117 | 13689 | 1601613 | 6903 | 162 | 26244 | 4251528 | 13203 |
| 118 | 13924 | 1643032 | 7021 | 163 | 26569 | 4330747 | 13366 |
| 119 | 14161 | 1685159 | 7140 | 164 | 26896 | 4410944 | 13530 |
| 120 | 14400 | 1728000 | 7260 | 165 | 27225 | 4492125 | 13695 |
| 121 | 14641 | 1771561 | 7381 | 166 | 27556 | 4574296 | 13861 |
| 122 | 14884 | 1815848 | 7503 | 167 | 27889 | 4657463 | 14028 |
| 123 | 15129 | 1860867 | 7626 | 168 | 28224 | 4741632 | 14196 |
| 124 | 15376 | 1906624 | 7750 | 169 | 28561 | 4826809 | 14365 |
| 125 | 15625 | 1953125 | 7875 | 170 | 28900 | 4913000 | 14535 |
| 126 | 15876 | 2000376 | 8001 | 171 | 29241 | 5000211 | 14706 |
| 127 | 16129 | 2048383 | 8128 | 172 | 29584 | 5088448 | 14878 |
| 128 | 16384 | 2097152 | 8256 | 173 | 29929 | 5177717 | 15051 |
| 129 | 16641 | 2146689 | 8385 | 174 | 30276 | 5268024 | 15225 |
| 130 | 16900 | 2197000 | 8515 | 175 | 30625 | 5359375 | 15400 |
| 131 | 17161 | 2248091 | 8646 | 176 | 30976 | 5451776 | 15576 |
| 132 | 17424 | 2299968 | 8778 | 177 | 31329 | 5545233 | 15753 |
| 133 | 17689 | 2352637 | 8911 | 178 | 31684 | 5639752 | 15931 |
| 134 | 17956 | 2406104 | 9045 | 179 | 32041 | 5735339 | 16110 |
| 135 | 18225 | 2460375 | 9180 | 180 | 32400 | 5832000 | 16290 |

**Table of primes < 1000**

|    |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2  | 101 |     |     | 401 |     | 601 | 701 |     |     |
| 3  | 103 |     |     |     | 503 |     |     |     |     |
| 5  | 107 |     | 307 |     |     | 607 |     |     | 907 |
| 7  | 109 |     |     | 409 | 509 |     | 709 | 809 |     |
| 11 |     | 211 | 311 |     |     |     |     | 811 | 911 |
| 13 | 113 |     | 313 |     |     | 613 |     |     |     |
| 17 |     |     | 317 |     |     | 617 |     |     |     |
| 19 |     |     |     | 419 |     | 619 | 719 |     | 919 |
|    |     |     |     | 421 | 521 |     |     | 821 |     |
| 23 |     | 223 |     |     | 523 |     |     | 823 |     |
|    | 127 | 227 |     |     |     |     | 727 | 827 |     |
| 29 |     | 229 |     |     |     |     |     | 829 | 929 |
| 31 | 131 |     | 331 | 431 |     | 631 |     |     |     |
|    |     | 233 |     | 433 |     |     | 733 |     |     |
| 37 | 137 |     | 337 |     |     |     |     |     | 937 |
|    | 139 | 239 |     | 439 |     |     | 739 | 839 |     |
| 41 |     | 241 |     |     | 541 | 641 |     |     | 941 |
| 43 |     |     |     | 443 |     | 643 | 743 |     |     |
| 47 |     |     | 347 |     | 547 | 647 |     |     | 947 |
|    | 149 |     | 349 | 449 |     |     |     |     |     |
|    | 151 | 251 |     |     |     |     | 751 |     |     |
| 53 |     |     | 353 |     |     | 653 |     | 853 | 953 |
|    | 157 | 257 |     | 457 | 557 |     | 757 | 857 |     |
| 59 |     |     | 359 |     |     | 659 |     | 859 |     |
| 61 |     |     |     | 461 |     | 661 | 761 |     |     |
|    | 163 | 263 |     | 463 | 563 |     |     | 863 |     |
| 67 | 167 |     | 367 | 467 |     |     |     |     | 967 |
|    |     | 269 |     |     | 569 |     | 769 |     |     |
| 71 |     | 271 |     |     | 571 |     |     |     | 971 |
| 73 | 173 |     | 373 |     |     | 673 | 773 |     |     |
|    |     | 277 |     |     | 577 | 677 |     | 877 | 977 |
| 79 | 179 |     | 379 | 479 |     |     |     |     |     |
|    | 181 | 281 |     |     |     |     |     | 881 |     |
| 83 |     | 283 | 383 |     |     | 683 |     | 883 | 983 |
|    |     |     |     | 487 | 587 |     | 787 | 887 |     |
| 89 |     |     | 389 |     |     |     |     |     |     |
|    | 191 |     |     | 491 |     | 691 |     |     | 991 |
|    | 193 | 293 |     |     | 593 |     |     |     |     |
| 97 | 197 |     | 397 |     |     |     | 797 |     | 997 |
|    | 199 |     |     | 499 | 599 |     |     |     |     |

#### 4-digit primes 1000 – 1999

|                      |              |              |                      |                              |              |                      |                      |                              |                      |
|----------------------|--------------|--------------|----------------------|------------------------------|--------------|----------------------|----------------------|------------------------------|----------------------|
| 1009                 | 1103<br>1109 | 1201         | 1301<br>1303<br>1307 | 1409                         | 1511         | 1601<br>1607<br>1609 | 1709                 | 1801                         | 1901<br>1907         |
| 1013<br>1019         | 1117         | 1213<br>1217 | 1319                 |                              |              | 1613<br>1619         |                      | 1811                         | 1913                 |
| 1021                 | 1123<br>1129 | 1223<br>1229 | 1321<br>1327         | 1423<br>1427<br>1429         | 1523         | 1621<br>1627         | 1721<br>1723         | 1823                         |                      |
| 1031<br>1033<br>1039 |              | 1231<br>1237 |                      | 1433<br>1439                 | 1531         | 1637                 | 1733                 | 1831                         | 1931<br>1933         |
| 1049                 |              | 1249         |                      | 1447                         | 1543<br>1549 |                      | 1741<br>1747         | 1847                         | 1949                 |
| 1051                 | 1151<br>1153 | 1259         |                      | 1451<br>1453<br>1459         | 1553<br>1559 | 1657                 | 1753<br>1759         |                              | 1951                 |
| 1061<br>1063<br>1069 | 1163         |              | 1361<br>1367         |                              | 1567         | 1663<br>1667<br>1669 |                      | 1861<br>1867                 |                      |
|                      | 1171         | 1277<br>1279 | 1373                 | 1471                         | 1571<br>1579 |                      | 1777                 | 1871<br>1873<br>1877<br>1879 | 1973<br>1979         |
| 1087                 | 1181<br>1187 | 1283<br>1289 | 1381                 | 1481<br>1483<br>1487<br>1489 | 1583         |                      | 1783<br>1787<br>1789 | 1889                         | 1987                 |
| 1091<br>1093<br>1097 | 1193         | 1291<br>1297 | 1399                 | 1493<br>1499                 | 1597         | 1693<br>1697<br>1699 |                      |                              | 1993<br>1997<br>1999 |

#### 4-digit primes 2000 - 2999

|                              |                  |                  |                          |                  |                  |                      |                          |                  |                  |
|------------------------------|------------------|------------------|--------------------------|------------------|------------------|----------------------|--------------------------|------------------|------------------|
| 2003                         |                  | 2203<br>2207     | 2309                     |                  | 2503             | 2609                 | 2707                     | 2801<br>2803     | 2903<br><br>2909 |
| 2011<br><br>2017             | 2111<br>2113     | 2213             | 2311                     | 2411<br><br>2417 |                  | 2617                 | 2711<br>2713<br><br>2719 | 2819             | 2917             |
| 2027<br>2029                 | 2129             | 2221             |                          | 2423             | 2521             | 2621                 | 2729                     |                  | 2927             |
| 2039                         | 2131<br><br>2137 | 2237<br>2239     | 2333<br><br>2339         | 2437             | 2531<br><br>2539 | 2633                 | 2731                     | 2833<br>2837     | 2939             |
|                              | 2141<br>2143     | 2243             | 2341<br><br>2347         | 2441<br><br>2447 | 2543<br><br>2549 | 2647                 | 2741<br><br>2749         | 2843             |                  |
| 2053                         | 2153             | 2251             | 2351<br><br>2357         | 2459             | 2551<br><br>2557 | 2657<br>2659         | 2753                     | 2851<br><br>2857 | 2953<br><br>2957 |
| 2063<br><br>2069             | 2161             | 2267<br>2269     |                          | 2467             |                  | 2663                 | 2767                     | 2861             | 2963<br><br>2969 |
|                              | 2179             | 2273             | 2371<br><br>2377         | 2473<br>2477     | 2579             | 2671<br><br>2677     | 2777                     | 2879             | 2971             |
| 2081<br>2083<br>2087<br>2089 |                  | 2281<br><br>2287 | 2381<br>2383<br><br>2389 |                  |                  | 2683<br>2687<br>2689 | 2789                     | 2887             |                  |
| 2099                         |                  | 2293<br>2297     | 2393                     |                  | 2591<br>2593     | 2693<br><br>2699     | 2791<br><br>2797         | 2897             | 2999             |

#### 4-digit primes 3000 - 3999

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 3001 |      | 3203 | 3301 |      |      |      | 3701 | 3803 |      |
|      | 3109 | 3209 | 3307 | 3407 |      | 3607 | 3709 |      | 3907 |
| 3011 |      |      | 3313 | 3413 | 3511 | 3613 |      |      | 3911 |
|      |      | 3217 |      |      | 3517 | 3617 |      |      | 3917 |
| 3019 | 3119 |      | 3319 |      |      |      | 3719 |      | 3919 |
|      | 3121 | 3221 |      |      |      |      |      | 3821 |      |
| 3023 |      |      | 3323 |      |      | 3623 |      | 3823 | 3923 |
|      |      | 3229 | 3329 |      | 3527 |      | 3727 |      | 3929 |
|      |      |      | 3331 |      | 3529 |      |      |      |      |
|      |      |      |      | 3433 | 3533 | 3631 |      |      | 3931 |
| 3037 | 3137 |      |      |      | 3539 | 3637 | 3733 | 3833 |      |
|      |      |      |      |      |      |      | 3739 |      |      |
| 3041 |      |      | 3343 |      | 3541 |      |      |      |      |
|      |      |      | 3347 |      | 3547 | 3643 |      |      | 3943 |
| 3049 |      |      |      | 3449 |      |      |      | 3847 | 3947 |
|      |      | 3251 |      |      |      |      |      | 3851 |      |
|      |      | 3253 |      |      |      |      |      | 3853 |      |
|      |      | 3257 |      | 3457 | 3557 |      |      |      |      |
|      |      | 3259 | 3359 |      | 3559 | 3659 |      |      |      |
| 3061 |      |      | 3361 | 3461 |      |      | 3761 |      |      |
|      | 3163 |      |      | 3463 |      |      |      | 3863 |      |
| 3067 | 3167 |      |      | 3467 |      |      | 3767 |      | 3967 |
|      | 3169 |      |      | 3469 |      |      | 3769 |      |      |
|      |      | 3271 | 3371 |      | 3571 | 3671 |      |      |      |
|      |      |      | 3373 |      |      | 3673 |      |      |      |
|      |      |      |      |      |      | 3677 |      | 3877 |      |
| 3079 |      |      |      |      |      |      | 3779 |      |      |
|      | 3181 |      |      |      | 3581 |      |      | 3881 |      |
| 3083 |      |      |      |      | 3583 |      |      |      |      |
|      | 3187 |      |      |      |      |      |      |      |      |
| 3089 |      |      | 3389 |      |      |      |      | 3889 | 3989 |
|      | 3191 |      | 3391 | 3491 |      | 3691 |      |      |      |
|      |      |      |      |      | 3593 |      | 3793 |      |      |
|      |      |      |      |      |      | 3697 | 3797 |      |      |
|      |      | 3299 |      | 3499 |      |      |      |      |      |

#### 4-digit primes 4000 - 4999

|                      |                      |                          |              |                  |                      |                  |                          |                  |                      |
|----------------------|----------------------|--------------------------|--------------|------------------|----------------------|------------------|--------------------------|------------------|----------------------|
| 4001<br>4003<br>4007 |                      | 4201                     |              |                  | 4507                 | 4603             | 4703                     | 4801             | 4903<br><br>4909     |
| 4013<br><br>4019     | 4111                 | 4211<br><br>4217<br>4219 |              | 4409             | 4513<br>4517<br>4519 |                  |                          | 4813<br>4817     | 4919                 |
| 4021<br><br>4027     | 4127<br>4129         | 4229                     | 4327         | 4421<br>4423     | 4523                 | 4621             | 4721<br>4723<br><br>4729 |                  |                      |
|                      | 4133<br><br>4139     | 4231                     | 4337<br>4339 |                  |                      | 4637<br>4639     | 4733                     | 4831             | 4931<br>4933<br>4937 |
| 4049                 |                      | 4241<br>4243             | 4349         | 4441<br><br>4447 | 4547<br>4549         | 4643<br><br>4649 |                          |                  | 4943                 |
| 4051<br><br>4057     | 4153<br>4157<br>4159 | 4253<br><br>4259         | 4357         | 4451<br><br>4457 |                      | 4651<br><br>4657 | 4751<br><br>4759         |                  | 4951<br><br>4957     |
|                      |                      | 4261                     | 4363         | 4463             | 4561<br><br>4567     | 4663             |                          | 4861             | 4967<br>4969         |
| 4073<br><br>4079     | 4177                 | 4271<br>4273             | 4373         |                  |                      | 4673<br><br>4679 |                          | 4871<br><br>4877 | 4973                 |
|                      |                      | 4283<br><br>4289         |              | 4481<br>4483     | 4583                 |                  | 4783<br>4787<br>4789     | 4889             | 4987                 |
| 4091                 |                      | 4297                     | 4391<br>4397 | 4493             | 4591<br><br>4597     | 4691             | 4793<br><br>4799         |                  | 4993<br><br>4999     |

#### 4-digit primes 5000 - 5999

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 5003 | 5101 |      | 5303 |      | 5501 |      | 5701 | 5801 | 5903 |
| 5009 | 5107 | 5209 | 5309 | 5407 | 5503 |      |      | 5807 |      |
| 5011 |      |      |      |      | 5507 |      |      |      |      |
|      | 5113 |      |      | 5413 |      |      | 5711 | 5813 |      |
|      | 5119 |      |      | 5417 |      |      | 5717 |      |      |
|      |      |      |      | 5419 | 5519 |      |      |      |      |
| 5021 |      |      | 5323 |      | 5521 |      |      | 5821 | 5923 |
| 5023 |      | 5227 |      |      | 5537 | 5623 |      | 5827 | 5927 |
|      |      | 5231 |      | 5431 | 5531 |      |      |      |      |
|      |      | 5233 | 5333 | 5437 |      |      |      |      |      |
| 5039 |      | 5237 |      |      |      | 5639 | 5737 | 5839 | 5939 |
|      |      |      |      |      |      |      |      |      |      |
|      | 5147 |      | 5347 | 5441 |      | 5641 | 5741 | 5843 |      |
|      |      |      |      | 5443 |      | 5647 | 5743 | 5849 |      |
|      |      |      |      | 5449 |      |      | 5749 |      |      |
| 5051 |      |      | 5351 |      |      | 5651 |      | 5851 | 5953 |
|      | 5153 |      |      |      |      | 5653 |      |      |      |
| 5059 |      |      |      |      | 5557 | 5657 |      | 5857 |      |
|      |      |      |      |      |      | 5659 |      |      |      |
|      |      | 5261 |      |      |      |      |      | 5861 |      |
|      | 5167 |      |      |      | 5563 |      |      | 5867 |      |
|      |      |      |      |      | 5569 | 5669 |      | 5869 |      |
|      | 5171 |      |      | 5471 |      |      |      |      |      |
| 5077 |      | 5273 |      |      | 5573 |      |      |      |      |
|      | 5179 | 5379 |      | 5477 |      |      |      |      |      |
|      |      |      |      | 5479 |      |      | 5779 | 5879 |      |
| 5081 |      | 5281 | 5381 |      | 5581 |      |      | 5881 | 5981 |
| 5087 |      |      | 5387 | 5483 |      | 5683 | 5783 |      | 5987 |
|      | 5189 |      |      |      |      | 5689 |      |      |      |
|      |      |      |      |      |      |      |      |      |      |
|      |      |      | 5393 |      | 5591 |      | 5791 |      |      |
| 5099 | 5197 | 5297 | 5399 |      |      | 5693 |      | 5897 |      |

#### 4-digit primes 6000 - 6999

|              |              |              |              |              |              |              |                      |                      |              |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|----------------------|--------------|
| 6007         | 6101         | 6203         | 6301         |              |              | 6607         | 6701<br>6703<br>6709 | 6803                 | 6907         |
| 6011         | 6113         | 6211<br>6217 | 6311<br>6317 |              |              | 6619         | 6719                 |                      | 6911<br>6917 |
| 6029         | 6121         | 6221<br>6229 | 6323<br>6329 | 6421<br>6427 | 6521<br>6529 |              |                      | 6823<br>6827<br>6829 |              |
| 6037         | 6131<br>6133 |              | 6337         |              |              | 6637         | 6733<br>6737         | 6833                 |              |
| 6043<br>6047 | 6143         | 6247         | 6343         | 6449         | 6547         |              |                      | 6841                 | 6947<br>6949 |
| 6053         | 6151         | 6257         | 6353<br>6359 | 6451         | 6551<br>6553 | 6653<br>6659 |                      | 6857                 | 6959         |
| 6067         | 6163         | 6263<br>6269 | 6361<br>6367 | 6469         | 6563<br>6569 | 6661         | 6761<br>6763         | 6863<br>6869         | 6961<br>6967 |
| 6073<br>6079 | 6173         | 6271<br>6277 | 6373<br>6379 | 6473         | 6571<br>6577 | 6673<br>6679 |                      | 6871                 | 6971<br>6977 |
| 6089         |              | 6287         | 6389         | 6481         | 6581         | 6689         | 6781                 | 6883                 | 6983         |
| 6091         | 6197<br>6199 | 6299         | 6397         | 6491         | 6599         | 6691         | 6791<br>6793         | 6899                 | 6991<br>6997 |

#### 4-digit primes 7000 -7999

|              |                      |                      |              |                      |                      |              |                      |                      |              |
|--------------|----------------------|----------------------|--------------|----------------------|----------------------|--------------|----------------------|----------------------|--------------|
| 7001         | 7103<br>7109         | 7207                 | 7307<br>7309 |                      | 7507                 | 7603<br>7607 | 7703                 |                      | 7901<br>7907 |
| 7013<br>7019 |                      | 7211<br>7213<br>7219 |              | 7411<br>7417         | 7517                 |              | 7717                 | 7817                 | 7919         |
| 7027         | 7121<br>7127<br>7129 |                      | 7321         |                      | 7523<br>7529         | 7621         | 7723<br>7727         | 7823<br>7829         | 7927         |
| 7039         |                      | 7237                 | 7331<br>7333 | 7433                 | 7537                 | 7639         |                      |                      | 7933<br>7937 |
| 7043         |                      | 7243<br>7247         | 7349         |                      | 7541<br>7547<br>7549 | 7643<br>7649 | 7741                 | 7841                 | 7949         |
| 7057         | 7151<br>7159         | 7253                 | 7351         | 7451<br>7457<br>7459 | 7559                 |              | 7753<br>7757<br>7759 | 7853                 | 7951         |
| 7069         |                      |                      | 7369         |                      | 7561                 |              |                      | 7867                 | 7963         |
| 7079         | 7177                 |                      |              | 7477                 | 7573<br>7577         | 7673         |                      | 7873<br>7877<br>7879 |              |
|              | 7187                 | 7283                 |              | 7481<br>7487<br>7489 | 7583<br>7589         | 7681<br>7687 | 7789                 | 7883                 |              |
|              | 7193                 | 7297                 | 7393         | 7499                 | 7591                 | 7691<br>7699 | 7793                 |                      | 7993         |

#### 4-digit primes 8000 -8999

|                      |              |                      |              |              |              |                      |              |                      |              |
|----------------------|--------------|----------------------|--------------|--------------|--------------|----------------------|--------------|----------------------|--------------|
| 8009                 | 8101         | 8209                 |              |              | 8501         | 8609                 | 8707         | 8803<br>8807         |              |
| 8011                 | 8111<br>8117 | 8219                 | 8311<br>8317 | 8419         | 8513         |                      | 8713<br>8719 | 8819                 |              |
|                      | 8123         | 8221                 | 8329         | 8423<br>8429 | 8521<br>8527 | 8623<br>8627<br>8629 |              | 8821                 | 8923<br>8929 |
| 8039                 |              | 8231<br>8233<br>8237 |              | 8431         | 8537<br>8539 |                      | 8731<br>8737 | 8831<br>8837<br>8839 | 8933         |
|                      | 8147         | 8243                 |              | 8443<br>8447 | 8543         | 8641<br>8647         | 8741<br>8747 | 8849                 | 8941         |
| 8053<br>8059         |              |                      | 8353         |              |              |                      | 8753         |                      | 8951         |
| 8069                 | 8161<br>8167 | 8263<br>8269         | 8363<br>8369 | 8461<br>8467 | 8563         | 8663<br>8669         | 8761         | 8861<br>8863<br>8867 | 8963<br>8969 |
|                      | 8171<br>8179 | 8273                 | 8377         |              | 8573         | 8677                 | 8779         |                      | 8971         |
| 8081<br>8087<br>8089 |              | 8287                 | 8387<br>8389 |              | 8581         | 8681<br>8689         | 8783         | 8887                 |              |
| 8093                 | 8191         | 8291<br>8293<br>8297 |              |              | 8597<br>8599 | 8693<br>8699         |              | 8893                 | 8999         |

#### 4-digit primes 9000 - 9999

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 9001 |      |      |      |      |      | 9601 |      |      | 9901 |
| 9007 | 9103 | 9203 |      | 9403 |      |      |      | 9803 | 9907 |
|      | 9109 | 9209 |      |      |      |      |      |      |      |
| 9011 |      |      | 9311 |      | 9511 |      |      | 9811 |      |
| 9013 |      |      |      | 9413 |      | 9613 |      | 9817 |      |
|      |      |      | 9319 | 9419 |      | 9619 | 9719 |      |      |
|      |      | 9221 |      | 9421 | 9521 |      | 9721 |      |      |
|      | 9127 | 9227 | 9323 |      |      | 9623 |      |      | 9923 |
| 9029 |      |      |      |      |      | 9629 |      | 9829 | 9929 |
|      |      |      |      | 9431 |      | 9631 |      |      | 9931 |
|      | 9133 |      |      | 9433 | 9533 |      | 9733 | 9833 |      |
|      | 9137 |      | 9337 | 9437 |      |      |      |      |      |
|      |      | 9239 |      | 9439 | 9539 |      | 9739 | 9839 |      |
| 9041 |      | 9241 | 9341 |      |      |      |      |      | 9941 |
| 9043 |      |      | 9343 |      |      | 9643 | 9743 |      |      |
|      |      |      |      |      | 9547 |      |      |      |      |
| 9049 |      |      | 9349 |      |      | 9649 | 9749 |      | 9949 |
|      | 9151 |      |      |      | 9551 |      |      | 9851 |      |
|      | 9157 | 9257 |      |      |      |      |      | 9857 |      |
| 9059 |      |      |      |      |      |      |      | 9859 |      |
|      | 9161 |      |      | 9461 |      | 9661 |      |      |      |
|      |      |      |      | 9463 |      |      |      |      |      |
| 9067 |      |      |      | 9467 |      |      | 9767 |      | 9967 |
|      |      |      |      |      |      |      | 9769 |      |      |
|      |      |      | 9371 |      |      |      |      | 9871 |      |
|      | 9173 |      |      | 9473 |      |      |      |      | 9973 |
|      |      | 9277 | 9377 |      |      | 9677 |      |      |      |
|      |      |      |      | 9479 |      | 9679 |      |      |      |
|      | 9181 | 9281 |      |      |      |      | 9781 |      |      |
|      |      | 9283 |      |      |      |      |      | 9883 |      |
|      | 9187 |      |      |      | 9587 |      | 9787 | 9887 |      |
|      |      |      |      |      |      | 9689 |      |      |      |
| 9091 |      |      | 9391 | 9491 |      |      | 9791 |      |      |
|      |      | 9293 |      |      |      |      |      |      |      |
|      |      |      | 9397 | 9497 |      | 9697 |      |      |      |
|      | 9199 |      |      |      |      |      |      |      |      |

## Harshad or Niven or Zag's Friendly numbers

|    |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| 12 | 102 | 201 | 306 | 402 | 504 | 603 | 702 | 801 | 902 |
| 18 | 108 | 204 | 308 | 405 | 506 | 605 | 704 | 803 | 910 |
| 20 | 110 | 207 | 312 | 407 | 510 | 612 | 711 | 804 | 912 |
| 21 | 111 | 209 | 315 | 408 | 511 | 621 | 715 | 810 | 915 |
| 24 | 112 | 210 | 320 | 410 | 512 | 624 | 720 | 820 | 918 |
| 27 | 114 | 216 | 322 | 414 | 513 | 629 | 730 | 825 | 935 |
| 30 | 117 | 220 | 324 | 420 | 516 | 630 | 732 | 828 | 936 |
| 36 | 120 | 222 | 330 | 423 | 518 | 640 | 735 | 832 | 954 |
| 40 | 126 | 224 | 333 | 432 | 522 | 644 | 736 | 840 | 960 |
| 42 | 132 | 225 | 336 | 440 | 531 | 645 | 738 | 846 | 966 |
| 45 | 133 | 228 | 342 | 441 | 540 | 648 | 756 | 864 | 972 |
| 48 | 135 | 230 | 351 | 444 | 550 | 660 | 770 | 870 | 990 |
| 50 | 140 | 234 | 360 | 448 | 552 | 666 | 774 | 874 | 999 |
| 54 | 144 | 240 | 364 | 450 | 555 | 684 | 777 | 880 |     |
| 60 | 150 | 243 | 370 | 460 | 558 | 690 | 780 | 882 |     |
| 63 | 152 | 247 | 372 | 465 | 576 |     | 782 | 888 |     |
| 70 | 153 | 252 | 375 | 468 | 588 |     | 792 |     |     |
| 72 | 156 | 261 | 378 | 476 | 592 |     |     |     |     |
| 80 | 162 | 264 | 392 | 480 | 594 |     |     |     |     |
| 81 | 171 | 266 | 396 | 481 |     |     |     |     |     |
| 84 | 180 | 270 | 399 | 486 |     |     |     |     |     |
| 90 | 190 | 280 |     |     |     |     |     |     |     |
|    | 192 | 285 |     |     |     |     |     |     |     |
|    | 195 | 288 |     |     |     |     |     |     |     |
|    | 198 |     |     |     |     |     |     |     |     |

## Table of Fibonacci and Lucas numbers

| Fibonacci |      |        |        | Lucas |      |        |        |
|-----------|------|--------|--------|-------|------|--------|--------|
| 1         | 55   | 4181   | 317811 | 1     | 123  | 9349   | 710647 |
| 1         | 89   | 6765   | 514229 | 3     | 199  | 15127  |        |
| 2         | 144  | 10946  | 832040 | 4     | 322  | 24476  |        |
| 3         | 233  | 17711  |        | 7     | 521  | 39603  |        |
| 5         | 377  | 28657  |        | 11    | 843  | 64079  |        |
| 8         | 610  | 46368  |        | 18    | 1364 | 103682 |        |
| 13        | 987  | 75025  |        | 29    | 2207 | 167761 |        |
| 21        | 1597 | 121393 |        | 47    | 3571 | 271443 |        |
| 34        | 2584 | 196418 |        | 76    | 5778 | 439204 |        |

## Table of Bell and Catalan numbers

| Bell |     |        | Catalan |     |       |
|------|-----|--------|---------|-----|-------|
| 1    | 15  | 4140   | 1       | 14  | 1430  |
| 1    | 52  | 21147  | 1       | 42  | 4862  |
| 2    | 203 | 115975 | 2       | 132 | 16796 |
| 5    | 877 | 678570 | 5       | 429 | 58786 |



**Zuckerman numbers** – numbers divisible by their digit product

|      |      |
|------|------|
| 1    | 1115 |
| 2    | 1116 |
| 3    | 1131 |
| 4    | 1176 |
| 5    | 1184 |
| 6    | 1197 |
| 7    | 1212 |
| 8    | 1296 |
| 9    | 1311 |
| 11   | 1332 |
| 12   | 1344 |
| 15   | 1416 |
| 24   | 1575 |
| 36   | 1715 |
| 111  | 2112 |
| 112  | 2144 |
| 115  | 2232 |
| 128  | 2916 |
| 132  | 3111 |
| 135  | 3132 |
| 144  | 3168 |
| 175  | 3171 |
| 212  | 3276 |
| 216  | 3312 |
| 224  | 3915 |
| 312  | 4112 |
| 315  | 4224 |
| 384  | 4416 |
| 432  | 6144 |
| 612  | 6624 |
| 624  | 6912 |
| 672  | 7112 |
| 735  | 7119 |
| 816  | 8112 |
| 1111 | 8832 |
| 1112 | 9315 |
| 1113 | 9612 |

### Smith Numbers

|     |     |
|-----|-----|
| 4   | 588 |
| 22  | 627 |
| 27  | 634 |
| 58  | 636 |
| 85  | 645 |
| 94  | 648 |
| 121 | 654 |
| 166 | 663 |
| 202 | 666 |
| 265 | 690 |
| 274 | 706 |
| 319 | 728 |
| 346 | 729 |
| 355 | 762 |
| 378 | 778 |
| 382 | 825 |
| 391 | 852 |
| 438 | 861 |
| 454 | 895 |
| 483 | 913 |
| 517 | 915 |
| 526 | 922 |
| 535 | 958 |
| 562 | 985 |
| 576 |     |

### Ulam Numbers

|    |     |     |     |     |
|----|-----|-----|-----|-----|
| 1  | 99  | 258 | 451 | 695 |
| 2  | 102 | 260 | 456 | 720 |
| 3  | 106 | 273 | 483 | 722 |
| 4  | 114 | 282 | 485 | 732 |
| 6  | 126 | 309 | 497 | 734 |
| 8  | 131 | 316 | 502 | 739 |
| 11 | 138 | 319 | 522 | 751 |
| 13 | 145 | 324 | 524 | 781 |
| 16 | 148 | 339 | 544 | 783 |
| 18 | 155 | 341 | 546 | 798 |
| 26 | 175 | 356 | 566 | 800 |
| 28 | 177 | 358 | 568 | 820 |
| 36 | 180 | 363 | 585 | 847 |
| 38 | 182 | 370 | 602 | 849 |
| 47 | 189 | 382 | 605 | 861 |
| 48 | 197 | 390 | 607 | 864 |
| 53 | 206 | 400 | 612 | 866 |
| 57 | 209 | 402 | 624 | 891 |
| 62 | 219 | 409 | 627 | 893 |
| 69 | 221 | 412 | 646 | 905 |
| 72 | 236 | 414 | 668 | 927 |
| 77 | 238 | 429 | 673 | 949 |
| 82 | 241 | 431 | 685 | 983 |
| 87 | 243 | 434 | 688 | 986 |
| 97 | 253 | 441 | 690 | 991 |

### Square numbers with square digit sum

| n    | $\Sigma$ |
|------|----------|
| 1    | 1        |
| 4    | 4        |
| 9    | 9        |
| 36   | 9        |
| 81   | 9        |
| 100  | 1        |
| 121  | 4        |
| 400  | 4        |
| 144  | 9        |
| 225  | 9        |
| 324  | 9        |
| 441  | 9        |
| 900  | 9        |
| 169  | 16       |
| 196  | 16       |
| 484  | 16       |
| 529  | 16       |
| 961  | 16       |
| 1521 | 9        |
| 2025 | 9        |
| 2304 | 9        |
| 2601 | 9        |
| 3600 | 9        |
| 8100 | 9        |
| 1681 | 16       |
| 3364 | 16       |
| 3481 | 16       |
| 4624 | 16       |
| 7225 | 16       |
| 9025 | 16       |
| 4489 | 25       |
| 5776 | 25       |
| 5929 | 25       |
| 7396 | 25       |
| 8836 | 25       |

**Table of triangular numbers with triangular digit sum**

| T(n) | $\Sigma$ | T(n) | $\Sigma$ |
|------|----------|------|----------|
| 1    | 1        | 2211 | 6        |
| 10   | 1        | 3003 | 6        |
| 3    | 3        | 1081 | 10       |
| 21   | 3        | 1225 | 10       |
| 120  | 3        | 1540 | 10       |
| 210  | 3        | 1711 | 10       |
| 300  | 3        | 2080 | 10       |
| 6    | 6        | 2701 | 10       |
| 15   | 6        | 3160 | 10       |
| 105  | 6        | 3403 | 10       |
| 231  | 6        | 5050 | 10       |
| 28   | 10       | 7021 | 10       |
| 55   | 10       | 1176 | 15       |
| 91   | 10       | 1275 | 15       |
| 136  | 10       | 1653 | 15       |
| 190  | 10       | 1770 | 15       |
| 253  | 10       | 2346 | 15       |
| 325  | 10       | 2850 | 15       |
| 406  | 10       | 3570 | 15       |
| 703  | 10       | 3741 | 15       |
| 820  | 10       | 4371 | 15       |
| 78   | 15       | 4560 | 15       |
| 276  | 15       | 5253 | 15       |
| 465  | 15       | 5460 | 15       |
| 528  | 15       | 6216 | 15       |
| 780  | 15       | 6441 | 15       |
| 861  | 15       | 7260 | 15       |
|      |          | 7503 | 15       |
|      |          | 1596 | 21       |
|      |          | 2775 | 21       |
|      |          | 3486 | 21       |
|      |          | 3828 | 21       |
|      |          | 4278 | 21       |
|      |          | 4656 | 21       |
|      |          | 5565 | 21       |
|      |          | 6555 | 21       |
|      |          | 7626 | 21       |
|      |          | 8256 | 21       |
|      |          | 9453 | 21       |
|      |          | 5995 | 28       |

**Table of primes < 1000 with prime digit sum**

| p  | $\Sigma$ | p   | $\Sigma$ | p   | $\Sigma$ |
|----|----------|-----|----------|-----|----------|
| 11 | 2        | 101 | 2        | 733 | 13       |
| 23 | 5        | 113 | 5        | 751 | 13       |
| 41 | 5        | 131 | 5        | 823 | 13       |
| 43 | 7        | 311 | 5        | 179 | 17       |
| 61 | 7        | 401 | 5        | 197 | 17       |
| 29 | 11       | 151 | 7        | 269 | 17       |
| 47 | 11       | 223 | 7        | 359 | 17       |
| 83 | 11       | 241 | 7        | 449 | 17       |
| 67 | 13       | 313 | 7        | 467 | 17       |
| 89 | 17       | 331 | 7        | 557 | 17       |
|    |          | 421 | 7        | 593 | 17       |
|    |          | 601 | 7        | 647 | 17       |
|    |          | 137 | 11       | 683 | 17       |
|    |          | 173 | 11       | 719 | 17       |
|    |          | 191 | 11       | 773 | 17       |
|    |          | 227 | 11       | 809 | 17       |
|    |          | 263 | 11       | 827 | 17       |
|    |          | 281 | 11       | 863 | 17       |
|    |          | 317 | 11       | 881 | 17       |
|    |          | 353 | 11       | 953 | 17       |
|    |          | 443 | 11       | 971 | 17       |
|    |          | 461 | 11       | 199 | 19       |
|    |          | 641 | 11       | 379 | 19       |
|    |          | 821 | 11       | 397 | 19       |
|    |          | 911 | 11       | 487 | 19       |
|    |          | 139 | 13       | 577 | 19       |
|    |          | 157 | 13       | 739 | 19       |
|    |          | 193 | 13       | 757 | 19       |
|    |          | 229 | 13       | 829 | 19       |
|    |          | 283 | 13       | 883 | 19       |
|    |          | 337 | 13       | 919 | 19       |
|    |          | 373 | 13       | 937 | 19       |
|    |          | 409 | 13       | 991 | 19       |
|    |          | 463 | 13       | 599 | 23       |
|    |          | 571 | 13       | 797 | 23       |
|    |          | 607 | 13       | 887 | 23       |
|    |          | 643 | 13       | 977 | 23       |
|    |          | 661 | 13       |     |          |

#### 4-digit primes with prime digit sum

|      |    |      |    |      |    |      |    |      |    |
|------|----|------|----|------|----|------|----|------|----|
| 1013 | 5  | 2423 | 11 | 3019 | 13 | 1493 | 17 | 5237 | 17 |
| 1031 | 5  | 2441 | 11 | 3037 | 13 | 1583 | 17 | 5273 | 17 |
| 1103 | 5  | 2531 | 11 | 3109 | 13 | 1619 | 17 | 5309 | 17 |
| 1301 | 5  | 2621 | 11 | 3163 | 13 | 1637 | 17 | 5381 | 17 |
| 2003 | 5  | 2711 | 11 | 3181 | 13 | 1709 | 17 | 5417 | 17 |
| 2111 | 5  | 2801 | 11 | 3217 | 13 | 1871 | 17 | 5471 | 17 |
| 3011 | 5  | 3251 | 11 | 3253 | 13 | 1907 | 17 | 5507 | 17 |
| 4001 | 5  | 3323 | 11 | 3271 | 13 | 2069 | 17 | 5651 | 17 |
| 1033 | 7  | 3413 | 11 | 3307 | 13 | 2087 | 17 | 5741 | 17 |
| 1051 | 7  | 3701 | 11 | 3343 | 13 | 2267 | 17 | 5813 | 17 |
| 1123 | 7  | 4007 | 11 | 3361 | 13 | 2339 | 17 | 5903 | 17 |
| 1213 | 7  | 4133 | 11 | 3433 | 13 | 2357 | 17 | 6029 | 17 |
| 1231 | 7  | 4241 | 11 | 3541 | 13 | 2393 | 17 | 6047 | 17 |
| 1303 | 7  | 4421 | 11 | 3613 | 13 | 2447 | 17 | 6173 | 17 |
| 1321 | 7  | 5051 | 11 | 3631 | 13 | 2591 | 17 | 6263 | 17 |
| 2113 | 7  | 5231 | 11 | 4027 | 13 | 2609 | 17 | 6317 | 17 |
| 2131 | 7  | 5303 | 11 | 4153 | 13 | 2663 | 17 | 6353 | 17 |
| 2203 | 7  | 5501 | 11 | 4243 | 13 | 2753 | 17 | 6551 | 17 |
| 2221 | 7  | 6113 | 11 | 4261 | 13 | 2843 | 17 | 6803 | 17 |
| 2311 | 7  | 6131 | 11 | 4423 | 13 | 2861 | 17 | 6911 | 17 |
| 3121 | 7  | 6203 | 11 | 4441 | 13 | 3167 | 17 | 7019 | 17 |
| 3301 | 7  | 6221 | 11 | 4513 | 13 | 3257 | 17 | 7109 | 17 |
| 4003 | 7  | 6311 | 11 | 4603 | 13 | 3329 | 17 | 7127 | 17 |
| 4021 | 7  | 7013 | 11 | 4621 | 13 | 3347 | 17 | 7253 | 17 |
| 4111 | 7  | 7103 | 11 | 4801 | 13 | 3491 | 17 | 7307 | 17 |
| 4201 | 7  | 7121 | 11 | 5107 | 13 | 3527 | 17 | 7433 | 17 |
| 5011 | 7  | 7211 | 11 | 5233 | 13 | 3581 | 17 | 7451 | 17 |
| 5101 | 7  | 8111 | 11 | 5323 | 13 | 3617 | 17 | 7523 | 17 |
| 1019 | 11 | 9011 | 11 | 5413 | 13 | 3671 | 17 | 7541 | 17 |
| 1091 | 11 | 1039 | 13 | 5431 | 13 | 3761 | 17 | 7703 | 17 |
| 1109 | 11 | 1093 | 13 | 5503 | 13 | 3833 | 17 | 7901 | 17 |
| 1163 | 11 | 1129 | 13 | 5521 | 13 | 3851 | 17 | 8009 | 17 |
| 1181 | 11 | 1237 | 13 | 5701 | 13 | 3923 | 17 | 8081 | 17 |
| 1217 | 11 | 1291 | 13 | 6007 | 13 | 4049 | 17 | 8117 | 17 |
| 1307 | 11 | 1327 | 13 | 6043 | 13 | 4139 | 17 | 8171 | 17 |
| 1361 | 11 | 1381 | 13 | 6133 | 13 | 4157 | 17 | 8243 | 17 |
| 1433 | 11 | 1453 | 13 | 6151 | 13 | 4229 | 17 | 8423 | 17 |
| 1451 | 11 | 1471 | 13 | 6421 | 13 | 4283 | 17 | 8513 | 17 |
| 1523 | 11 | 1543 | 13 | 7213 | 13 | 4337 | 17 | 9161 | 17 |
| 1613 | 11 | 1723 | 13 | 7321 | 13 | 4373 | 17 | 9323 | 17 |
| 1721 | 11 | 1741 | 13 | 7411 | 13 | 4391 | 17 | 9341 | 17 |
| 1811 | 11 | 1831 | 13 | 8221 | 13 | 4409 | 17 | 9413 | 17 |
| 1901 | 11 | 2029 | 13 | 8311 | 13 | 4463 | 17 | 9431 | 17 |
| 2027 | 11 | 2083 | 13 | 9013 | 13 | 4481 | 17 | 9521 | 17 |
| 2063 | 11 | 2137 | 13 | 9103 | 13 | 4517 | 17 | 1279 | 19 |
| 2081 | 11 | 2281 | 13 | 1097 | 17 | 4643 | 17 | 1297 | 19 |
| 2153 | 11 | 2371 | 13 | 1187 | 17 | 4733 | 17 | 1459 | 19 |
| 2207 | 11 | 2551 | 13 | 1259 | 17 | 4751 | 17 | 1549 | 19 |
| 2243 | 11 | 2713 | 13 | 1277 | 17 | 4931 | 17 | 1567 | 19 |
| 2333 | 11 | 2731 | 13 | 1367 | 17 | 5039 | 17 | 1657 | 19 |
| 2351 | 11 | 2803 | 13 | 1439 | 17 | 5147 | 17 | 1693 | 19 |

|      |    |      |    |      |    |      |    |      |    |
|------|----|------|----|------|----|------|----|------|----|
| 1747 | 19 | 5347 | 19 | 9127 | 19 | 6359 | 23 | 2999 | 29 |
| 1783 | 19 | 5419 | 19 | 9181 | 19 | 6449 | 23 | 3989 | 29 |
| 1873 | 19 | 5437 | 19 | 9343 | 19 | 6719 | 23 | 4799 | 29 |
| 2089 | 19 | 5527 | 19 | 9433 | 19 | 6737 | 23 | 4889 | 29 |
| 2179 | 19 | 5563 | 19 | 9613 | 19 | 6791 | 23 | 5879 | 29 |
| 2269 | 19 | 5581 | 19 | 9631 | 19 | 6827 | 23 | 5897 | 29 |
| 2287 | 19 | 5653 | 19 | 9721 | 19 | 6863 | 23 | 5987 | 29 |
| 2377 | 19 | 5743 | 19 | 9811 | 19 | 6917 | 23 | 6599 | 29 |
| 2467 | 19 | 5851 | 19 | 9901 | 19 | 6971 | 23 | 6689 | 29 |
| 2539 | 19 | 5923 | 19 | 1499 | 23 | 7079 | 23 | 6779 | 29 |
| 2557 | 19 | 6067 | 19 | 1697 | 23 | 7187 | 23 | 6869 | 29 |
| 2593 | 19 | 6229 | 19 | 1787 | 23 | 7349 | 23 | 6959 | 29 |
| 2647 | 19 | 6247 | 19 | 1877 | 23 | 7457 | 23 | 6977 | 29 |
| 2683 | 19 | 6337 | 19 | 1949 | 23 | 7529 | 23 | 7499 | 29 |
| 2719 | 19 | 6373 | 19 | 2399 | 23 | 7547 | 23 | 7589 | 29 |
| 2791 | 19 | 6427 | 19 | 2579 | 23 | 7583 | 23 | 7877 | 29 |
| 2917 | 19 | 6481 | 19 | 2687 | 23 | 7673 | 23 | 7949 | 29 |
| 2953 | 19 | 6553 | 19 | 2777 | 23 | 7691 | 23 | 8597 | 29 |
| 2971 | 19 | 6571 | 19 | 2939 | 23 | 7727 | 23 | 8669 | 29 |
| 3079 | 19 | 6607 | 19 | 2957 | 23 | 7817 | 23 | 8849 | 29 |
| 3169 | 19 | 6661 | 19 | 3299 | 23 | 7853 | 23 | 8867 | 29 |
| 3187 | 19 | 6733 | 19 | 3389 | 23 | 7907 | 23 | 9479 | 29 |
| 3259 | 19 | 6823 | 19 | 3659 | 23 | 8069 | 23 | 9497 | 29 |
| 3457 | 19 | 6841 | 19 | 3677 | 23 | 8087 | 23 | 9587 | 29 |
| 3529 | 19 | 7039 | 19 | 3767 | 23 | 8429 | 23 | 9677 | 29 |
| 3547 | 19 | 7057 | 19 | 3929 | 23 | 8447 | 23 | 9749 | 29 |
| 3583 | 19 | 7129 | 19 | 3947 | 23 | 8537 | 23 | 9767 | 29 |
| 3637 | 19 | 7219 | 19 | 4289 | 23 | 8573 | 23 | 9839 | 29 |
| 3673 | 19 | 7237 | 19 | 4397 | 23 | 8609 | 23 | 9857 | 29 |
| 3691 | 19 | 7309 | 19 | 4649 | 23 | 8627 | 23 | 9929 | 29 |
| 3709 | 19 | 7417 | 19 | 4793 | 23 | 8663 | 23 | 4999 | 31 |
| 3727 | 19 | 7507 | 19 | 4919 | 23 | 8681 | 23 | 6997 | 31 |
| 3853 | 19 | 7561 | 19 | 4937 | 23 | 8753 | 23 | 7699 | 31 |
| 3907 | 19 | 7723 | 19 | 4973 | 23 | 8807 | 23 | 7789 | 31 |
| 3943 | 19 | 7741 | 19 | 5099 | 23 | 8861 | 23 | 7879 | 31 |
| 4159 | 19 | 8191 | 19 | 5189 | 23 | 8933 | 23 | 8599 | 31 |
| 4177 | 19 | 8209 | 19 | 5279 | 23 | 8951 | 23 | 8689 | 31 |
| 4339 | 19 | 8263 | 19 | 5297 | 23 | 9059 | 23 | 8779 | 31 |
| 4357 | 19 | 8317 | 19 | 5387 | 23 | 9239 | 23 | 8887 | 31 |
| 4447 | 19 | 8353 | 19 | 5477 | 23 | 9257 | 23 | 9679 | 31 |
| 4483 | 19 | 8443 | 19 | 5639 | 23 | 9293 | 23 | 9697 | 31 |
| 4519 | 19 | 8461 | 19 | 5657 | 23 | 9419 | 23 | 9769 | 31 |
| 4591 | 19 | 8623 | 19 | 5693 | 23 | 9437 | 23 | 9787 | 31 |
| 4663 | 19 | 8641 | 19 | 5783 | 23 | 9473 | 23 | 9859 | 31 |
| 4861 | 19 | 8713 | 19 | 5927 | 23 | 9491 | 23 | 9949 | 31 |
| 4933 | 19 | 8731 | 19 | 5981 | 23 | 9743 | 23 | 9967 | 31 |
| 4951 | 19 | 8803 | 19 | 6089 | 23 | 9833 | 23 |      |    |
| 5059 | 19 | 8821 | 19 | 6197 | 23 | 9851 | 23 |      |    |
| 5077 | 19 | 9091 | 19 | 6269 | 23 | 9923 | 23 |      |    |
| 5167 | 19 | 9109 | 19 | 6287 | 23 | 9941 | 23 |      |    |

# Number of factors of n, d(n)

|    |    |     |    |     |    |     |    |     |    |
|----|----|-----|----|-----|----|-----|----|-----|----|
| 1  | 1  | 51  | 4  | 101 | 2  | 151 | 2  | 201 | 4  |
| 2  | 2  | 52  | 6  | 102 | 8  | 152 | 8  | 202 | 4  |
| 3  | 2  | 53  | 2  | 103 | 2  | 153 | 6  | 203 | 4  |
| 4  | 3  | 54  | 8  | 104 | 8  | 154 | 8  | 204 | 12 |
| 5  | 2  | 55  | 4  | 105 | 8  | 155 | 4  | 205 | 4  |
| 6  | 4  | 56  | 8  | 106 | 4  | 156 | 12 | 206 | 4  |
| 7  | 2  | 57  | 4  | 107 | 2  | 157 | 2  | 207 | 6  |
| 8  | 4  | 58  | 4  | 108 | 12 | 158 | 4  | 208 | 10 |
| 9  | 3  | 59  | 2  | 109 | 2  | 159 | 4  | 209 | 4  |
| 10 | 4  | 60  | 12 | 110 | 8  | 160 | 12 | 210 | 16 |
| 11 | 2  | 61  | 2  | 111 | 4  | 161 | 4  | 211 | 2  |
| 12 | 6  | 62  | 4  | 112 | 10 | 162 | 10 | 212 | 6  |
| 13 | 2  | 63  | 6  | 113 | 2  | 163 | 2  | 213 | 4  |
| 14 | 4  | 64  | 7  | 114 | 8  | 164 | 6  | 214 | 4  |
| 15 | 4  | 65  | 4  | 115 | 4  | 165 | 8  | 215 | 4  |
| 16 | 5  | 66  | 8  | 116 | 6  | 166 | 4  | 216 | 16 |
| 17 | 2  | 67  | 2  | 117 | 6  | 167 | 2  | 217 | 4  |
| 18 | 6  | 68  | 6  | 118 | 4  | 168 | 16 | 218 | 4  |
| 19 | 2  | 69  | 4  | 119 | 4  | 169 | 3  | 219 | 4  |
| 20 | 6  | 70  | 8  | 120 | 16 | 170 | 8  | 220 | 12 |
| 21 | 4  | 71  | 2  | 121 | 3  | 171 | 6  | 221 | 4  |
| 22 | 4  | 72  | 12 | 122 | 4  | 172 | 6  | 222 | 8  |
| 23 | 2  | 73  | 2  | 123 | 4  | 173 | 2  | 223 | 2  |
| 24 | 8  | 74  | 4  | 124 | 6  | 174 | 8  | 224 | 12 |
| 25 | 3  | 75  | 6  | 125 | 4  | 175 | 6  | 225 | 9  |
| 26 | 4  | 76  | 6  | 126 | 12 | 176 | 10 | 226 | 4  |
| 27 | 4  | 77  | 4  | 127 | 2  | 177 | 4  | 227 | 2  |
| 28 | 6  | 78  | 8  | 128 | 8  | 178 | 4  | 228 | 12 |
| 29 | 2  | 79  | 2  | 129 | 4  | 179 | 2  | 229 | 2  |
| 30 | 8  | 80  | 10 | 130 | 8  | 180 | 18 | 230 | 8  |
| 31 | 2  | 81  | 5  | 131 | 2  | 181 | 2  | 231 | 8  |
| 32 | 6  | 82  | 4  | 132 | 12 | 182 | 8  | 232 | 8  |
| 33 | 4  | 83  | 2  | 133 | 4  | 183 | 4  | 233 | 2  |
| 34 | 4  | 84  | 12 | 134 | 4  | 184 | 8  | 234 | 12 |
| 35 | 4  | 85  | 4  | 135 | 8  | 185 | 4  | 235 | 4  |
| 36 | 9  | 86  | 4  | 136 | 8  | 186 | 8  | 236 | 6  |
| 37 | 2  | 87  | 4  | 137 | 2  | 187 | 4  | 237 | 4  |
| 38 | 4  | 88  | 8  | 138 | 8  | 188 | 6  | 238 | 8  |
| 39 | 4  | 89  | 2  | 139 | 2  | 189 | 8  | 239 | 2  |
| 40 | 8  | 90  | 12 | 140 | 12 | 190 | 8  | 240 | 20 |
| 41 | 2  | 91  | 4  | 141 | 4  | 191 | 2  | 241 | 2  |
| 42 | 8  | 92  | 6  | 142 | 4  | 192 | 14 | 242 | 6  |
| 43 | 2  | 93  | 4  | 143 | 4  | 193 | 2  | 243 | 6  |
| 44 | 6  | 94  | 4  | 144 | 15 | 194 | 4  | 244 | 6  |
| 45 | 6  | 95  | 4  | 145 | 4  | 195 | 8  | 245 | 6  |
| 46 | 4  | 96  | 12 | 146 | 4  | 196 | 9  | 246 | 8  |
| 47 | 2  | 97  | 2  | 147 | 6  | 197 | 2  | 247 | 4  |
| 48 | 10 | 98  | 6  | 148 | 6  | 198 | 12 | 248 | 8  |
| 49 | 3  | 99  | 6  | 149 | 2  | 199 | 2  | 249 | 4  |
| 50 | 6  | 100 | 9  | 150 | 12 | 200 | 12 | 250 | 8  |

|     |    |     |    |     |    |     |    |     |    |
|-----|----|-----|----|-----|----|-----|----|-----|----|
| 251 | 2  | 301 | 4  | 351 | 8  | 401 | 2  | 451 | 4  |
| 252 | 18 | 302 | 4  | 352 | 12 | 402 | 8  | 452 | 6  |
| 253 | 4  | 303 | 4  | 353 | 2  | 403 | 4  | 453 | 4  |
| 254 | 4  | 304 | 10 | 354 | 8  | 404 | 6  | 454 | 4  |
| 255 | 8  | 305 | 4  | 355 | 4  | 405 | 10 | 455 | 8  |
| 256 | 9  | 306 | 12 | 356 | 6  | 406 | 6  | 456 | 16 |
| 257 | 2  | 307 | 2  | 357 | 8  | 407 | 4  | 457 | 2  |
| 258 | 8  | 308 | 12 | 358 | 4  | 408 | 16 | 458 | 4  |
| 259 | 4  | 309 | 4  | 359 | 2  | 409 | 2  | 459 | 8  |
| 260 | 12 | 310 | 8  | 360 | 24 | 410 | 8  | 460 | 12 |
| 261 | 6  | 311 | 2  | 361 | 3  | 411 | 4  | 461 | 2  |
| 262 | 4  | 312 | 16 | 362 | 4  | 412 | 6  | 462 | 16 |
| 263 | 2  | 313 | 2  | 363 | 6  | 413 | 4  | 463 | 2  |
| 264 | 16 | 314 | 4  | 364 | 12 | 414 | 12 | 464 | 10 |
| 265 | 4  | 315 | 12 | 365 | 4  | 415 | 4  | 465 | 8  |
| 266 | 8  | 316 | 6  | 366 | 8  | 416 | 12 | 466 | 4  |
| 267 | 4  | 317 | 2  | 367 | 2  | 417 | 4  | 467 | 2  |
| 268 | 6  | 318 | 8  | 368 | 10 | 418 | 8  | 468 | 18 |
| 269 | 2  | 319 | 4  | 369 | 6  | 419 | 2  | 469 | 4  |
| 270 | 16 | 320 | 14 | 370 | 8  | 420 | 24 | 470 | 8  |
| 271 | 2  | 321 | 4  | 371 | 4  | 421 | 2  | 471 | 4  |
| 272 | 10 | 322 | 8  | 372 | 12 | 422 | 4  | 472 | 8  |
| 273 | 8  | 323 | 4  | 373 | 2  | 423 | 6  | 473 | 4  |
| 274 | 4  | 324 | 15 | 374 | 8  | 424 | 8  | 474 | 8  |
| 275 | 6  | 325 | 6  | 375 | 8  | 425 | 6  | 475 | 6  |
| 276 | 12 | 326 | 4  | 376 | 8  | 426 | 8  | 476 | 12 |
| 277 | 2  | 327 | 4  | 377 | 4  | 427 | 4  | 477 | 6  |
| 278 | 4  | 328 | 8  | 378 | 16 | 428 | 6  | 478 | 4  |
| 279 | 6  | 329 | 4  | 379 | 2  | 429 | 8  | 479 | 2  |
| 280 | 16 | 330 | 16 | 380 | 12 | 430 | 8  | 480 | 24 |
| 281 | 2  | 331 | 2  | 381 | 4  | 431 | 2  | 481 | 4  |
| 282 | 8  | 332 | 6  | 382 | 4  | 432 | 20 | 482 | 4  |
| 283 | 2  | 333 | 6  | 383 | 2  | 433 | 2  | 483 | 8  |
| 284 | 6  | 334 | 4  | 384 | 16 | 434 | 8  | 484 | 9  |
| 285 | 8  | 335 | 4  | 385 | 8  | 435 | 8  | 485 | 4  |
| 286 | 8  | 336 | 20 | 386 | 4  | 436 | 6  | 486 | 12 |
| 287 | 4  | 337 | 2  | 387 | 6  | 437 | 4  | 487 | 2  |
| 288 | 18 | 338 | 6  | 388 | 6  | 438 | 8  | 488 | 8  |
| 289 | 3  | 339 | 4  | 389 | 2  | 439 | 2  | 489 | 4  |
| 290 | 8  | 340 | 12 | 390 | 16 | 440 | 16 | 490 | 12 |
| 291 | 4  | 341 | 4  | 391 | 4  | 441 | 9  | 491 | 2  |
| 292 | 6  | 342 | 12 | 392 | 12 | 442 | 8  | 492 | 12 |
| 293 | 2  | 343 | 4  | 393 | 4  | 443 | 2  | 493 | 4  |
| 294 | 12 | 344 | 8  | 394 | 4  | 444 | 12 | 494 | 8  |
| 295 | 4  | 345 | 8  | 395 | 4  | 445 | 4  | 495 | 12 |
| 296 | 8  | 346 | 4  | 396 | 18 | 446 | 4  | 496 | 10 |
| 297 | 8  | 347 | 2  | 397 | 2  | 447 | 4  | 497 | 4  |
| 298 | 4  | 348 | 12 | 398 | 4  | 448 | 14 | 498 | 8  |
| 299 | 4  | 349 | 2  | 399 | 8  | 449 | 2  | 499 | 2  |
| 300 | 18 | 350 | 12 | 400 | 15 | 450 | 18 | 500 | 12 |

|     |    |     |    |     |    |     |    |     |    |
|-----|----|-----|----|-----|----|-----|----|-----|----|
| 501 | 4  | 551 | 4  | 601 | 2  | 651 | 8  | 701 | 2  |
| 502 | 4  | 552 | 16 | 602 | 8  | 652 | 6  | 702 | 16 |
| 503 | 2  | 553 | 4  | 603 | 6  | 653 | 2  | 703 | 4  |
| 504 | 24 | 554 | 4  | 604 | 6  | 654 | 8  | 704 | 14 |
| 505 | 4  | 555 | 8  | 605 | 6  | 655 | 4  | 705 | 8  |
| 506 | 8  | 556 | 6  | 606 | 8  | 656 | 10 | 706 | 4  |
| 507 | 6  | 557 | 2  | 607 | 2  | 657 | 6  | 707 | 4  |
| 508 | 6  | 558 | 12 | 608 | 12 | 658 | 8  | 708 | 12 |
| 509 | 2  | 559 | 4  | 609 | 8  | 659 | 2  | 709 | 2  |
| 510 | 16 | 560 | 20 | 610 | 8  | 660 | 24 | 710 | 8  |
| 511 | 4  | 561 | 8  | 611 | 4  | 661 | 2  | 711 | 6  |
| 512 | 10 | 562 | 4  | 612 | 18 | 662 | 4  | 712 | 8  |
| 513 | 8  | 563 | 2  | 613 | 2  | 663 | 8  | 713 | 4  |
| 514 | 4  | 564 | 12 | 614 | 4  | 664 | 8  | 714 | 16 |
| 515 | 4  | 565 | 4  | 615 | 8  | 665 | 8  | 715 | 8  |
| 516 | 12 | 566 | 4  | 616 | 16 | 666 | 12 | 716 | 6  |
| 517 | 4  | 567 | 10 | 617 | 2  | 667 | 4  | 717 | 4  |
| 518 | 8  | 568 | 8  | 618 | 8  | 668 | 6  | 718 | 4  |
| 519 | 4  | 569 | 2  | 619 | 2  | 669 | 4  | 719 | 2  |
| 520 | 16 | 570 | 16 | 620 | 12 | 670 | 8  | 720 | 30 |
| 521 | 2  | 571 | 2  | 621 | 8  | 671 | 4  | 721 | 4  |
| 522 | 12 | 572 | 12 | 622 | 4  | 672 | 24 | 722 | 6  |
| 523 | 2  | 573 | 4  | 623 | 4  | 673 | 2  | 723 | 4  |
| 524 | 6  | 574 | 8  | 624 | 20 | 674 | 4  | 724 | 6  |
| 525 | 12 | 575 | 6  | 625 | 5  | 675 | 12 | 725 | 6  |
| 526 | 4  | 576 | 21 | 626 | 4  | 676 | 9  | 726 | 12 |
| 527 | 4  | 577 | 2  | 627 | 8  | 677 | 2  | 727 | 2  |
| 528 | 20 | 578 | 6  | 628 | 6  | 678 | 8  | 728 | 16 |
| 529 | 3  | 579 | 4  | 629 | 4  | 679 | 4  | 729 | 7  |
| 530 | 8  | 580 | 12 | 630 | 24 | 680 | 16 | 730 | 8  |
| 531 | 6  | 581 | 4  | 631 | 2  | 681 | 4  | 731 | 4  |
| 532 | 12 | 582 | 8  | 632 | 8  | 682 | 8  | 732 | 12 |
| 533 | 4  | 583 | 4  | 633 | 4  | 683 | 2  | 733 | 2  |
| 534 | 8  | 584 | 8  | 634 | 4  | 684 | 18 | 734 | 4  |
| 535 | 4  | 585 | 12 | 635 | 4  | 685 | 4  | 735 | 12 |
| 536 | 8  | 586 | 4  | 636 | 12 | 686 | 8  | 736 | 12 |
| 537 | 4  | 587 | 2  | 637 | 6  | 687 | 4  | 737 | 4  |
| 538 | 4  | 588 | 18 | 638 | 8  | 688 | 10 | 738 | 12 |
| 539 | 6  | 589 | 4  | 639 | 6  | 689 | 4  | 739 | 2  |
| 540 | 24 | 590 | 8  | 640 | 16 | 690 | 16 | 740 | 12 |
| 541 | 2  | 591 | 4  | 641 | 2  | 691 | 2  | 741 | 8  |
| 542 | 4  | 592 | 10 | 642 | 8  | 692 | 6  | 742 | 8  |
| 543 | 4  | 593 | 2  | 643 | 2  | 693 | 12 | 743 | 2  |
| 544 | 12 | 594 | 16 | 644 | 12 | 694 | 4  | 744 | 16 |
| 545 | 4  | 595 | 8  | 645 | 8  | 695 | 4  | 745 | 4  |
| 546 | 16 | 596 | 6  | 646 | 8  | 696 | 16 | 746 | 4  |
| 547 | 2  | 597 | 4  | 647 | 2  | 697 | 4  | 747 | 6  |
| 548 | 6  | 598 | 8  | 648 | 20 | 698 | 4  | 748 | 12 |
| 549 | 6  | 599 | 2  | 649 | 4  | 699 | 4  | 749 | 4  |
| 550 | 12 | 600 | 24 | 650 | 12 | 700 | 18 | 750 | 16 |

|     |    |     |    |     |    |     |    |      |    |
|-----|----|-----|----|-----|----|-----|----|------|----|
| 751 | 2  | 801 | 6  | 851 | 4  | 901 | 4  | 951  | 4  |
| 752 | 10 | 802 | 4  | 852 | 12 | 902 | 8  | 952  | 16 |
| 753 | 4  | 803 | 4  | 853 | 2  | 903 | 8  | 953  | 2  |
| 754 | 8  | 804 | 12 | 854 | 8  | 904 | 8  | 954  | 12 |
| 755 | 4  | 805 | 8  | 855 | 12 | 905 | 4  | 955  | 4  |
| 756 | 24 | 806 | 8  | 856 | 8  | 906 | 8  | 956  | 6  |
| 757 | 2  | 807 | 4  | 857 | 2  | 907 | 2  | 957  | 8  |
| 758 | 4  | 808 | 8  | 858 | 16 | 908 | 6  | 958  | 4  |
| 759 | 8  | 809 | 2  | 859 | 2  | 909 | 6  | 959  | 4  |
| 760 | 16 | 810 | 20 | 860 | 12 | 910 | 16 | 960  | 28 |
| 761 | 2  | 811 | 2  | 861 | 8  | 911 | 2  | 961  | 3  |
| 762 | 8  | 812 | 12 | 862 | 4  | 912 | 20 | 962  | 8  |
| 763 | 4  | 813 | 4  | 863 | 2  | 913 | 4  | 963  | 6  |
| 764 | 6  | 814 | 8  | 864 | 24 | 914 | 4  | 964  | 6  |
| 765 | 12 | 815 | 4  | 865 | 4  | 915 | 8  | 965  | 4  |
| 766 | 4  | 816 | 20 | 866 | 4  | 916 | 6  | 966  | 16 |
| 767 | 4  | 817 | 4  | 867 | 6  | 917 | 4  | 967  | 2  |
| 768 | 18 | 818 | 4  | 868 | 12 | 918 | 16 | 968  | 12 |
| 769 | 2  | 819 | 12 | 869 | 4  | 919 | 2  | 969  | 8  |
| 770 | 16 | 820 | 12 | 870 | 16 | 920 | 16 | 970  | 8  |
| 771 | 4  | 821 | 2  | 871 | 4  | 921 | 4  | 971  | 2  |
| 772 | 6  | 822 | 8  | 872 | 8  | 922 | 4  | 972  | 18 |
| 773 | 2  | 823 | 2  | 873 | 6  | 923 | 4  | 973  | 4  |
| 774 | 12 | 824 | 8  | 874 | 8  | 924 | 24 | 974  | 4  |
| 775 | 6  | 825 | 12 | 875 | 8  | 925 | 6  | 975  | 12 |
| 776 | 8  | 826 | 8  | 876 | 12 | 926 | 4  | 976  | 10 |
| 777 | 8  | 827 | 2  | 877 | 2  | 927 | 6  | 977  | 2  |
| 778 | 4  | 828 | 18 | 878 | 4  | 928 | 12 | 978  | 8  |
| 779 | 4  | 829 | 2  | 879 | 4  | 929 | 2  | 979  | 4  |
| 780 | 24 | 830 | 8  | 880 | 20 | 930 | 16 | 980  | 18 |
| 781 | 4  | 831 | 4  | 881 | 2  | 931 | 6  | 981  | 6  |
| 782 | 8  | 832 | 14 | 882 | 18 | 932 | 6  | 982  | 4  |
| 783 | 8  | 833 | 6  | 883 | 2  | 933 | 4  | 983  | 2  |
| 784 | 15 | 834 | 8  | 884 | 12 | 934 | 4  | 984  | 16 |
| 785 | 4  | 835 | 4  | 885 | 8  | 935 | 8  | 985  | 4  |
| 786 | 8  | 836 | 12 | 886 | 4  | 936 | 24 | 986  | 8  |
| 787 | 2  | 837 | 8  | 887 | 2  | 937 | 2  | 987  | 8  |
| 788 | 6  | 838 | 4  | 888 | 16 | 938 | 8  | 988  | 12 |
| 789 | 4  | 839 | 2  | 889 | 4  | 939 | 4  | 989  | 4  |
| 790 | 8  | 840 | 32 | 890 | 8  | 940 | 12 | 990  | 24 |
| 791 | 4  | 841 | 3  | 891 | 10 | 941 | 2  | 991  | 2  |
| 792 | 24 | 842 | 4  | 892 | 6  | 942 | 8  | 992  | 12 |
| 793 | 4  | 843 | 4  | 893 | 4  | 943 | 4  | 993  | 4  |
| 794 | 4  | 844 | 6  | 894 | 8  | 944 | 10 | 994  | 8  |
| 795 | 8  | 845 | 6  | 895 | 4  | 945 | 16 | 995  | 4  |
| 796 | 6  | 846 | 12 | 896 | 16 | 946 | 8  | 996  | 12 |
| 797 | 2  | 847 | 6  | 897 | 8  | 947 | 2  | 997  | 2  |
| 798 | 16 | 848 | 10 | 898 | 4  | 948 | 12 | 998  | 4  |
| 799 | 4  | 849 | 4  | 899 | 4  | 949 | 4  | 999  | 8  |
| 800 | 18 | 850 | 12 | 900 | 27 | 950 | 12 | 1000 | 16 |

# Sum of factors of n, $\sigma(n)$

| n  | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ |
|----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|
| 1  | 1           | 51  | 72          | 101 | 102         | 151 | 152         | 201 | 272         |
| 2  | 3           | 52  | 98          | 102 | 216         | 152 | 300         | 202 | 306         |
| 3  | 4           | 53  | 54          | 103 | 104         | 153 | 234         | 203 | 240         |
| 4  | 7           | 54  | 120         | 104 | 210         | 154 | 288         | 204 | 504         |
| 5  | 6           | 55  | 72          | 105 | 192         | 155 | 192         | 205 | 252         |
| 6  | 12          | 56  | 120         | 106 | 162         | 156 | 392         | 206 | 312         |
| 7  | 8           | 57  | 80          | 107 | 108         | 157 | 158         | 207 | 312         |
| 8  | 15          | 58  | 90          | 108 | 280         | 158 | 240         | 208 | 434         |
| 9  | 13          | 59  | 60          | 109 | 110         | 159 | 216         | 209 | 240         |
| 10 | 18          | 60  | 168         | 110 | 216         | 160 | 378         | 210 | 576         |
| 11 | 12          | 61  | 62          | 111 | 152         | 161 | 192         | 211 | 212         |
| 12 | 28          | 62  | 96          | 112 | 248         | 162 | 363         | 212 | 378         |
| 13 | 14          | 63  | 104         | 113 | 114         | 163 | 164         | 213 | 288         |
| 14 | 24          | 64  | 127         | 114 | 240         | 164 | 294         | 214 | 324         |
| 15 | 24          | 65  | 84          | 115 | 144         | 165 | 288         | 215 | 264         |
| 16 | 31          | 66  | 144         | 116 | 210         | 166 | 252         | 216 | 600         |
| 17 | 18          | 67  | 68          | 117 | 182         | 167 | 168         | 217 | 256         |
| 18 | 39          | 68  | 126         | 118 | 180         | 168 | 480         | 218 | 330         |
| 19 | 20          | 69  | 96          | 119 | 144         | 169 | 183         | 219 | 296         |
| 20 | 42          | 70  | 144         | 120 | 360         | 170 | 324         | 220 | 504         |
| 21 | 32          | 71  | 72          | 121 | 133         | 171 | 260         | 221 | 252         |
| 22 | 36          | 72  | 195         | 122 | 186         | 172 | 308         | 222 | 456         |
| 23 | 24          | 73  | 74          | 123 | 168         | 173 | 174         | 223 | 224         |
| 24 | 60          | 74  | 114         | 124 | 224         | 174 | 360         | 224 | 504         |
| 25 | 31          | 75  | 124         | 125 | 156         | 175 | 248         | 225 | 403         |
| 26 | 42          | 76  | 140         | 126 | 312         | 176 | 372         | 226 | 342         |
| 27 | 40          | 77  | 96          | 127 | 128         | 177 | 240         | 227 | 228         |
| 28 | 56          | 78  | 168         | 128 | 255         | 178 | 270         | 228 | 560         |
| 29 | 30          | 79  | 80          | 129 | 176         | 179 | 180         | 229 | 230         |
| 30 | 72          | 80  | 186         | 130 | 252         | 180 | 546         | 230 | 432         |
| 31 | 32          | 81  | 121         | 131 | 132         | 181 | 182         | 231 | 384         |
| 32 | 63          | 82  | 126         | 132 | 336         | 182 | 336         | 232 | 450         |
| 33 | 48          | 83  | 84          | 133 | 160         | 183 | 248         | 233 | 234         |
| 34 | 54          | 84  | 224         | 134 | 204         | 184 | 360         | 234 | 546         |
| 35 | 48          | 85  | 108         | 135 | 240         | 185 | 228         | 235 | 288         |
| 36 | 91          | 86  | 132         | 136 | 270         | 186 | 384         | 236 | 420         |
| 37 | 38          | 87  | 120         | 137 | 138         | 187 | 216         | 237 | 320         |
| 38 | 60          | 88  | 180         | 138 | 288         | 188 | 336         | 238 | 432         |
| 39 | 56          | 89  | 90          | 139 | 140         | 189 | 320         | 239 | 240         |
| 40 | 90          | 90  | 234         | 140 | 336         | 190 | 360         | 240 | 744         |
| 41 | 42          | 91  | 112         | 141 | 192         | 191 | 192         | 241 | 242         |
| 42 | 96          | 92  | 168         | 142 | 216         | 192 | 508         | 242 | 399         |
| 43 | 44          | 93  | 128         | 143 | 168         | 193 | 194         | 243 | 364         |
| 44 | 84          | 94  | 144         | 144 | 403         | 194 | 294         | 244 | 434         |
| 45 | 78          | 95  | 120         | 145 | 180         | 195 | 336         | 245 | 342         |
| 46 | 72          | 96  | 252         | 146 | 222         | 196 | 399         | 246 | 504         |
| 47 | 48          | 97  | 98          | 147 | 228         | 197 | 198         | 247 | 280         |
| 48 | 124         | 98  | 171         | 148 | 266         | 198 | 468         | 248 | 480         |
| 49 | 57          | 99  | 156         | 149 | 150         | 199 | 200         | 249 | 336         |
| 50 | 93          | 100 | 217         | 150 | 372         | 200 | 465         | 250 | 468         |

| n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ |
|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|
| 251 | 252         | 301 | 352         | 351 | 560         | 401 | 402         | 451 | 504         |
| 252 | 728         | 302 | 456         | 352 | 756         | 402 | 816         | 452 | 798         |
| 253 | 288         | 303 | 408         | 353 | 354         | 403 | 448         | 453 | 608         |
| 254 | 384         | 304 | 620         | 354 | 720         | 404 | 714         | 454 | 684         |
| 255 | 432         | 305 | 372         | 355 | 432         | 405 | 726         | 455 | 672         |
| 256 | 511         | 306 | 702         | 356 | 630         | 406 | 720         | 456 | 1200        |
| 257 | 258         | 307 | 308         | 357 | 576         | 407 | 456         | 457 | 458         |
| 258 | 528         | 308 | 672         | 358 | 540         | 408 | 1080        | 458 | 690         |
| 259 | 304         | 309 | 416         | 359 | 360         | 409 | 410         | 459 | 720         |
| 260 | 588         | 310 | 576         | 360 | 1170        | 410 | 756         | 460 | 1008        |
| 261 | 390         | 311 | 312         | 361 | 381         | 411 | 552         | 461 | 462         |
| 262 | 396         | 312 | 840         | 362 | 546         | 412 | 728         | 462 | 1152        |
| 263 | 264         | 313 | 314         | 363 | 532         | 413 | 480         | 463 | 464         |
| 264 | 720         | 314 | 474         | 364 | 784         | 414 | 936         | 464 | 930         |
| 265 | 324         | 315 | 624         | 365 | 444         | 415 | 504         | 465 | 768         |
| 266 | 480         | 316 | 560         | 366 | 744         | 416 | 882         | 466 | 702         |
| 267 | 360         | 317 | 318         | 367 | 368         | 417 | 560         | 467 | 468         |
| 268 | 476         | 318 | 648         | 368 | 744         | 418 | 720         | 468 | 1274        |
| 269 | 270         | 319 | 360         | 369 | 546         | 419 | 420         | 469 | 544         |
| 270 | 720         | 320 | 762         | 370 | 684         | 420 | 1344        | 470 | 864         |
| 271 | 272         | 321 | 432         | 371 | 432         | 421 | 422         | 471 | 632         |
| 272 | 558         | 322 | 576         | 372 | 896         | 422 | 636         | 472 | 900         |
| 273 | 448         | 323 | 360         | 373 | 374         | 423 | 624         | 473 | 528         |
| 274 | 414         | 324 | 847         | 374 | 648         | 424 | 810         | 474 | 960         |
| 275 | 372         | 325 | 434         | 375 | 624         | 425 | 558         | 475 | 620         |
| 276 | 672         | 326 | 492         | 376 | 720         | 426 | 864         | 476 | 1008        |
| 277 | 278         | 327 | 440         | 377 | 420         | 427 | 496         | 477 | 702         |
| 278 | 420         | 328 | 630         | 378 | 960         | 428 | 756         | 478 | 720         |
| 279 | 416         | 329 | 384         | 379 | 380         | 429 | 672         | 479 | 480         |
| 280 | 720         | 330 | 864         | 380 | 840         | 430 | 792         | 480 | 1512        |
| 281 | 282         | 331 | 332         | 381 | 512         | 431 | 432         | 481 | 532         |
| 282 | 576         | 332 | 588         | 382 | 576         | 432 | 1240        | 482 | 726         |
| 283 | 284         | 333 | 494         | 383 | 384         | 433 | 434         | 483 | 768         |
| 284 | 504         | 334 | 504         | 384 | 1020        | 434 | 768         | 484 | 931         |
| 285 | 480         | 335 | 408         | 385 | 576         | 435 | 720         | 485 | 588         |
| 286 | 504         | 336 | 992         | 386 | 582         | 436 | 770         | 486 | 1092        |
| 287 | 336         | 337 | 338         | 387 | 572         | 437 | 480         | 487 | 488         |
| 288 | 819         | 338 | 549         | 388 | 686         | 438 | 888         | 488 | 930         |
| 289 | 307         | 339 | 456         | 389 | 390         | 439 | 440         | 489 | 656         |
| 290 | 540         | 340 | 756         | 390 | 1008        | 440 | 1080        | 490 | 1026        |
| 291 | 392         | 341 | 384         | 391 | 432         | 441 | 741         | 491 | 492         |
| 292 | 518         | 342 | 780         | 392 | 855         | 442 | 756         | 492 | 1176        |
| 293 | 294         | 343 | 400         | 393 | 528         | 443 | 444         | 493 | 540         |
| 294 | 684         | 344 | 660         | 394 | 594         | 444 | 1064        | 494 | 840         |
| 295 | 360         | 345 | 576         | 395 | 480         | 445 | 540         | 495 | 936         |
| 296 | 570         | 346 | 522         | 396 | 1092        | 446 | 672         | 496 | 992         |
| 297 | 480         | 347 | 348         | 397 | 398         | 447 | 600         | 497 | 576         |
| 298 | 450         | 348 | 840         | 398 | 600         | 448 | 1016        | 498 | 1008        |
| 299 | 336         | 349 | 350         | 399 | 640         | 449 | 450         | 499 | 500         |
| 300 | 868         | 350 | 744         | 400 | 961         | 450 | 1209        | 500 | 1092        |

| n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ |
|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|
| 501 | 672         | 551 | 600         | 601 | 602         | 651 | 1024        | 701 | 702         |
| 502 | 756         | 552 | 1440        | 602 | 1056        | 652 | 1148        | 702 | 1680        |
| 503 | 504         | 553 | 640         | 603 | 884         | 653 | 654         | 703 | 760         |
| 504 | 1560        | 554 | 834         | 604 | 1064        | 654 | 1320        | 704 | 1524        |
| 505 | 612         | 555 | 912         | 605 | 798         | 655 | 792         | 705 | 1152        |
| 506 | 864         | 556 | 980         | 606 | 1224        | 656 | 1302        | 706 | 1062        |
| 507 | 732         | 557 | 558         | 607 | 608         | 657 | 962         | 707 | 816         |
| 508 | 896         | 558 | 1248        | 608 | 1260        | 658 | 1152        | 708 | 1680        |
| 509 | 510         | 559 | 616         | 609 | 960         | 659 | 660         | 709 | 710         |
| 510 | 1296        | 560 | 1488        | 610 | 1116        | 660 | 2016        | 710 | 1296        |
| 511 | 592         | 561 | 864         | 611 | 672         | 661 | 662         | 711 | 1040        |
| 512 | 1023        | 562 | 846         | 612 | 1638        | 662 | 996         | 712 | 1350        |
| 513 | 800         | 563 | 564         | 613 | 614         | 663 | 1008        | 713 | 768         |
| 514 | 774         | 564 | 1344        | 614 | 924         | 664 | 1260        | 714 | 1728        |
| 515 | 624         | 565 | 684         | 615 | 1008        | 665 | 960         | 715 | 1008        |
| 516 | 1232        | 566 | 852         | 616 | 1440        | 666 | 1482        | 716 | 1260        |
| 517 | 576         | 567 | 968         | 617 | 618         | 667 | 720         | 717 | 960         |
| 518 | 912         | 568 | 1080        | 618 | 1248        | 668 | 1176        | 718 | 1080        |
| 519 | 696         | 569 | 570         | 619 | 620         | 669 | 896         | 719 | 720         |
| 520 | 1260        | 570 | 1440        | 620 | 1344        | 670 | 1224        | 720 | 2418        |
| 521 | 522         | 571 | 572         | 621 | 960         | 671 | 744         | 721 | 832         |
| 522 | 1170        | 572 | 1176        | 622 | 936         | 672 | 2016        | 722 | 1143        |
| 523 | 524         | 573 | 768         | 623 | 720         | 673 | 674         | 723 | 968         |
| 524 | 924         | 574 | 1008        | 624 | 1736        | 674 | 1014        | 724 | 1274        |
| 525 | 992         | 575 | 744         | 625 | 781         | 675 | 1240        | 725 | 930         |
| 526 | 792         | 576 | 1651        | 626 | 942         | 676 | 1281        | 726 | 1596        |
| 527 | 576         | 577 | 578         | 627 | 960         | 677 | 678         | 727 | 728         |
| 528 | 1488        | 578 | 921         | 628 | 1106        | 678 | 1368        | 728 | 1680        |
| 529 | 553         | 579 | 776         | 629 | 684         | 679 | 784         | 729 | 1093        |
| 530 | 972         | 580 | 1260        | 630 | 1872        | 680 | 1620        | 730 | 1332        |
| 531 | 780         | 581 | 672         | 631 | 632         | 681 | 912         | 731 | 792         |
| 532 | 1120        | 582 | 1176        | 632 | 1200        | 682 | 1152        | 732 | 1736        |
| 533 | 588         | 583 | 648         | 633 | 848         | 683 | 684         | 733 | 734         |
| 534 | 1080        | 584 | 1110        | 634 | 954         | 684 | 1820        | 734 | 1104        |
| 535 | 648         | 585 | 1092        | 635 | 768         | 685 | 828         | 735 | 1368        |
| 536 | 1020        | 586 | 882         | 636 | 1512        | 686 | 1200        | 736 | 1512        |
| 537 | 720         | 587 | 588         | 637 | 798         | 687 | 920         | 737 | 816         |
| 538 | 810         | 588 | 1596        | 638 | 1080        | 688 | 1364        | 738 | 1638        |
| 539 | 684         | 589 | 640         | 639 | 936         | 689 | 756         | 739 | 740         |
| 540 | 1680        | 590 | 1080        | 640 | 1530        | 690 | 1728        | 740 | 1596        |
| 541 | 542         | 591 | 792         | 641 | 642         | 691 | 692         | 741 | 1120        |
| 542 | 816         | 592 | 1178        | 642 | 1296        | 692 | 1218        | 742 | 1296        |
| 543 | 728         | 593 | 594         | 643 | 644         | 693 | 1248        | 743 | 744         |
| 544 | 1134        | 594 | 1440        | 644 | 1344        | 694 | 1044        | 744 | 1920        |
| 545 | 660         | 595 | 864         | 645 | 1056        | 695 | 840         | 745 | 900         |
| 546 | 1344        | 596 | 1050        | 646 | 1080        | 696 | 1800        | 746 | 1122        |
| 547 | 548         | 597 | 800         | 647 | 648         | 697 | 756         | 747 | 1092        |
| 548 | 966         | 598 | 1008        | 648 | 1815        | 698 | 1050        | 748 | 1512        |
| 549 | 806         | 599 | 600         | 649 | 720         | 699 | 936         | 749 | 864         |
| 550 | 1116        | 600 | 1860        | 650 | 1302        | 700 | 1736        | 750 | 1872        |

| n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n   | $\sigma(n)$ | n    | $\sigma(n)$ |
|-----|-------------|-----|-------------|-----|-------------|-----|-------------|------|-------------|
| 751 | 752         | 801 | 1170        | 851 | 912         | 901 | 972         | 951  | 1272        |
| 752 | 1488        | 802 | 1206        | 852 | 2016        | 902 | 1512        | 952  | 2160        |
| 753 | 1008        | 803 | 888         | 853 | 854         | 903 | 1408        | 953  | 954         |
| 754 | 1260        | 804 | 1904        | 854 | 1488        | 904 | 1710        | 954  | 2106        |
| 755 | 912         | 805 | 1152        | 855 | 1560        | 905 | 1092        | 955  | 1152        |
| 756 | 2240        | 806 | 1344        | 856 | 1620        | 906 | 1824        | 956  | 1680        |
| 757 | 758         | 807 | 1080        | 857 | 858         | 907 | 908         | 957  | 1440        |
| 758 | 1140        | 808 | 1530        | 858 | 2016        | 908 | 1596        | 958  | 1440        |
| 759 | 1152        | 809 | 810         | 859 | 860         | 909 | 1326        | 959  | 1104        |
| 760 | 1800        | 810 | 2178        | 860 | 1848        | 910 | 2016        | 960  | 3048        |
| 761 | 762         | 811 | 812         | 861 | 1344        | 911 | 912         | 961  | 993         |
| 762 | 1536        | 812 | 1680        | 862 | 1296        | 912 | 2480        | 962  | 1596        |
| 763 | 880         | 813 | 1088        | 863 | 864         | 913 | 1008        | 963  | 1404        |
| 764 | 1344        | 814 | 1368        | 864 | 2520        | 914 | 1374        | 964  | 1694        |
| 765 | 1404        | 815 | 984         | 865 | 1044        | 915 | 1488        | 965  | 1164        |
| 766 | 1152        | 816 | 2232        | 866 | 1302        | 916 | 1610        | 966  | 2304        |
| 767 | 840         | 817 | 880         | 867 | 1228        | 917 | 1056        | 967  | 968         |
| 768 | 2044        | 818 | 1230        | 868 | 1792        | 918 | 2160        | 968  | 1995        |
| 769 | 770         | 819 | 1456        | 869 | 960         | 919 | 920         | 969  | 1440        |
| 770 | 1728        | 820 | 1764        | 870 | 2160        | 920 | 2160        | 970  | 1764        |
| 771 | 1032        | 821 | 822         | 871 | 952         | 921 | 1232        | 971  | 972         |
| 772 | 1358        | 822 | 1656        | 872 | 1650        | 922 | 1386        | 972  | 2548        |
| 773 | 774         | 823 | 824         | 873 | 1274        | 923 | 1008        | 973  | 1120        |
| 774 | 1716        | 824 | 1560        | 874 | 1440        | 924 | 2688        | 974  | 1464        |
| 775 | 992         | 825 | 1488        | 875 | 1248        | 925 | 1178        | 975  | 1736        |
| 776 | 1470        | 826 | 1440        | 876 | 2072        | 926 | 1392        | 976  | 1922        |
| 777 | 1216        | 827 | 828         | 877 | 878         | 927 | 1352        | 977  | 978         |
| 778 | 1170        | 828 | 2184        | 878 | 1320        | 928 | 1890        | 978  | 1968        |
| 779 | 840         | 829 | 830         | 879 | 1176        | 929 | 930         | 979  | 1080        |
| 780 | 2352        | 830 | 1512        | 880 | 2232        | 930 | 2304        | 980  | 2394        |
| 781 | 864         | 831 | 1112        | 881 | 882         | 931 | 1140        | 981  | 1430        |
| 782 | 1296        | 832 | 1778        | 882 | 2223        | 932 | 1638        | 982  | 1476        |
| 783 | 1200        | 833 | 1026        | 883 | 884         | 933 | 1248        | 983  | 984         |
| 784 | 1767        | 834 | 1680        | 884 | 1764        | 934 | 1404        | 984  | 2520        |
| 785 | 948         | 835 | 1008        | 885 | 1440        | 935 | 1296        | 985  | 1188        |
| 786 | 1584        | 836 | 1680        | 886 | 1332        | 936 | 2730        | 986  | 1620        |
| 787 | 788         | 837 | 1280        | 887 | 888         | 937 | 938         | 987  | 1536        |
| 788 | 1386        | 838 | 1260        | 888 | 2280        | 938 | 1632        | 988  | 1960        |
| 789 | 1056        | 839 | 840         | 889 | 1024        | 939 | 1256        | 989  | 1056        |
| 790 | 1440        | 840 | 2880        | 890 | 1620        | 940 | 2016        | 990  | 2808        |
| 791 | 912         | 841 | 871         | 891 | 1452        | 941 | 942         | 991  | 992         |
| 792 | 2340        | 842 | 1266        | 892 | 1568        | 942 | 1896        | 992  | 2016        |
| 793 | 868         | 843 | 1128        | 893 | 960         | 943 | 1008        | 993  | 1328        |
| 794 | 1194        | 844 | 1484        | 894 | 1800        | 944 | 1860        | 994  | 1728        |
| 795 | 1296        | 845 | 1098        | 895 | 1080        | 945 | 1920        | 995  | 1200        |
| 796 | 1400        | 846 | 1872        | 896 | 2040        | 946 | 1584        | 996  | 2352        |
| 797 | 798         | 847 | 1064        | 897 | 1344        | 947 | 948         | 997  | 998         |
| 798 | 1920        | 848 | 1674        | 898 | 1350        | 948 | 2240        | 998  | 1500        |
| 799 | 864         | 849 | 1136        | 899 | 960         | 949 | 1036        | 999  | 1520        |
| 800 | 1953        | 850 | 1674        | 900 | 2821        | 950 | 1860        | 1000 | 2340        |

# Number of ways an integer can be expressed as the sum of consecutive positive integers

| n  | ways | n  | ways | n  | ways | n  | ways | n   | ways |
|----|------|----|------|----|------|----|------|-----|------|
| 1  | 1    | 21 | 3    | 41 | 1    | 61 | 1    | 81  | 4    |
| 2  | 0    | 22 | 1    | 42 | 3    | 62 | 1    | 82  | 1    |
| 3  | 1    | 23 | 1    | 43 | 1    | 63 | 5    | 83  | 1    |
| 4  | 0    | 24 | 1    | 44 | 1    | 64 | 0    | 84  | 3    |
| 5  | 1    | 25 | 2    | 45 | 5    | 65 | 3    | 85  | 3    |
| 6  | 1    | 26 | 1    | 46 | 1    | 66 | 3    | 86  | 1    |
| 7  | 1    | 27 | 3    | 47 | 1    | 67 | 1    | 87  | 3    |
| 8  | 0    | 28 | 1    | 48 | 1    | 68 | 1    | 88  | 1    |
| 9  | 2    | 29 | 1    | 49 | 2    | 69 | 3    | 89  | 1    |
| 10 | 1    | 30 | 1    | 50 | 2    | 70 | 3    | 90  | 5    |
| 11 | 1    | 31 | 1    | 51 | 3    | 71 | 1    | 91  | 3    |
| 12 | 1    | 32 | 0    | 52 | 1    | 72 | 2    | 92  | 1    |
| 13 | 1    | 33 | 3    | 53 | 1    | 73 | 1    | 93  | 3    |
| 14 | 1    | 34 | 1    | 54 | 3    | 74 | 1    | 94  | 1    |
| 15 | 3    | 35 | 3    | 55 | 3    | 75 | 5    | 95  | 3    |
| 16 | 0    | 36 | 2    | 56 | 1    | 76 | 1    | 96  | 1    |
| 17 | 1    | 37 | 1    | 57 | 3    | 77 | 3    | 97  | 1    |
| 18 | 2    | 38 | 1    | 58 | 1    | 78 | 3    | 98  | 2    |
| 19 | 1    | 39 | 3    | 59 | 1    | 79 | 1    | 99  | 5    |
| 20 | 1    | 40 | 1    | 60 | 3    | 80 | 1    | 100 | 2    |

## Numbers that can be expressed as the sum of two squares

Those in ***bold italics*** can be expressed in two ways whilst those in ***bold italics*** in three ways.

|                  |                   |                   |                          |                          |                   |                          |                          |                          |                          |
|------------------|-------------------|-------------------|--------------------------|--------------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2                | 100               | <b><i>200</i></b> | <b><i>305</i></b>        | 400                      | <b><i>500</i></b> | 601                      | 701                      | <b><i>800</i></b>        | 900                      |
| 5                | 101               | 202               | 306                      | 401                      | <b><i>505</i></b> | 605                      | 706                      | 801                      | <b><i>901</i></b>        |
| 8                | 104               | <b><i>205</i></b> | 313                      | 404                      | 509               | <b><i>610</i></b>        | 709                      | 802                      | 904                      |
| 10               | 106               | 208               | 314                      | 405                      | 512               | 612                      | 712                      | 808                      | <b><i>905</i></b>        |
| 13               | 109               | 212               | 317                      | 409                      | 514               | 613                      | 720                      | 809                      | 909                      |
| 17               | 113               | 218               | 320                      | <b><i>410</i></b>        | <b><i>520</i></b> | 617                      | 722                      | 810                      | 914                      |
| 18               | 116               | <b><i>221</i></b> | <u><b><i>325</i></b></u> | 416                      | 521               | <b><i>625</i></b>        | 724                      | 818                      | 916                      |
| 20               | 117               | 225               | 328                      | 421                      | 522               | 626                      | <u><b><i>725</i></b></u> | <b><i>820</i></b>        | 922                      |
| 25               | 122               | 226               | 333                      | 424                      | 530               | 628                      | <b><i>730</i></b>        | 821                      | <u><b><i>925</i></b></u> |
| 26               | <b><i>125</i></b> | 229               | 337                      | <u><b><i>425</i></b></u> | <b><i>533</i></b> | <b><i>629</i></b>        | 733                      | 829                      | 928                      |
| 29               | 128               | 232               | <b><i>338</i></b>        | 433                      | 538               | 634                      | 738                      | 832                      | 929                      |
| 32               | <b><i>130</i></b> | 233               | <b><i>340</i></b>        | 436                      | 541               | 637                      | <b><i>740</i></b>        | 833                      | 932                      |
| 34               | 136               | 234               | 346                      | <b><i>442</i></b>        | 544               | 640                      | <b><i>745</i></b>        | 841                      | 936                      |
| 37               | 137               | 241               | 349                      | <b><i>445</i></b>        | <b><i>545</i></b> | 641                      | 746                      | 842                      | 937                      |
| 40               | <b><i>145</i></b> | 242               | 353                      | 449                      | 548               | 648                      | <b><i>754</i></b>        | <u><b><i>845</i></b></u> | 941                      |
| 41               | 146               | 244               | 356                      | <b><i>450</i></b>        | 549               | <u><b><i>650</i></b></u> | 757                      | 848                      | <b><i>949</i></b>        |
| 45               | 148               | 245               | 360                      | 452                      | 554               | 653                      | 761                      | <u><b><i>850</i></b></u> | 953                      |
| <b><i>50</i></b> | 149               | <b><i>250</i></b> | 362                      | 457                      | 557               | 656                      | <b><i>765</i></b>        | 853                      | 954                      |
| 52               | 153               | 257               | <b><i>365</i></b>        | 458                      | 562               | 657                      | 769                      | 857                      | <b><i>962</i></b>        |
| 53               | 157               | <b><i>260</i></b> | 369                      | 461                      | <b><i>565</i></b> | 661                      | 772                      | <b><i>865</i></b>        | 964                      |
| 58               | 160               | 261               | <b><i>370</i></b>        | 464                      | 569               | 666                      | 773                      | 866                      | <b><i>965</i></b>        |
| 61               | 162               | <b><i>265</i></b> | 373                      | 466                      | 577               | 673                      | 776                      | 872                      | 968                      |
| <b><i>65</i></b> | 164               | 269               | <b><i>377</i></b>        | 468                      | <b><i>578</i></b> | 674                      | 778                      | 873                      | <b><i>970</i></b>        |
| 68               | 169               | 272               | 386                      | 477                      | <b><i>580</i></b> | 676                      | <b><i>785</i></b>        | 877                      | 976                      |
| 72               | <b><i>170</i></b> | 274               | 388                      | <b><i>481</i></b>        | 584               | 677                      | 788                      | 881                      | 977                      |
| 73               | 173               | 277               | 389                      | 482                      | <b><i>585</i></b> | <b><i>680</i></b>        | <b><i>793</i></b>        | 882                      | 980                      |
| 74               | 178               | 281               | 392                      | <b><i>485</i></b>        | 586               | <b><i>685</i></b>        | 794                      | <b><i>884</i></b>        | 981                      |
| 80               | 180               | 288               | 394                      | 488                      | 592               | <b><i>689</i></b>        | 797                      | <b><i>890</i></b>        | <b><i>985</i></b>        |
| 82               | 181               | 289               | 397                      | 490                      | 593               | 692                      |                          | 898                      | <b><i>986</i></b>        |
| <b><i>85</i></b> | <b><i>185</i></b> | <b><i>290</i></b> |                          | <b><i>493</i></b>        | 596               | <b><i>697</i></b>        |                          |                          | 997                      |
| 89               | 193               | 292               |                          |                          |                   | 698                      |                          |                          |                          |
| 90               | 194               | 293               |                          |                          |                   |                          |                          |                          |                          |
| 97               | 197               | 296               |                          |                          |                   |                          |                          |                          |                          |
| 98               |                   | 298               |                          |                          |                   |                          |                          |                          |                          |

## 2-digit square termini and corresponding roots

| Sq<br>Termini | Corresponding root |    |    |    |    |    |    |    |    |    |
|---------------|--------------------|----|----|----|----|----|----|----|----|----|
| 00            | 00                 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| 01            | 01                 |    |    |    | 49 | 51 |    |    |    | 99 |
| 04            | 02                 |    |    |    | 48 | 52 |    |    |    | 98 |
| 09            | 03                 |    |    |    | 47 | 53 |    |    |    | 97 |
| 16            | 04                 |    |    |    | 46 | 54 |    |    |    | 96 |
| 21            |                    | 11 |    | 39 |    |    | 61 |    | 89 |    |
| 24            |                    | 18 |    | 32 |    |    | 68 |    | 82 |    |
| 25            | 05                 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 95 |
| 29            |                    |    | 23 |    |    |    |    | 73 |    |    |
|               |                    |    | 27 |    |    |    |    | 77 |    |    |
| 36            | 06                 |    |    |    | 44 | 56 |    |    |    | 94 |
| 41            |                    |    | 21 |    |    |    |    | 71 |    |    |
|               |                    |    | 29 |    |    |    |    | 79 |    |    |
| 44            |                    | 12 |    | 38 |    |    | 62 |    | 88 |    |
| 49            | 07                 |    |    |    | 43 | 57 |    |    |    | 93 |
| 56            |                    | 16 |    | 34 |    |    | 66 |    | 84 |    |
| 61            |                    | 19 |    | 31 |    |    | 69 |    | 81 |    |
| 64            | 08                 |    |    |    | 42 | 58 |    |    |    | 92 |
| 69            |                    | 13 |    | 37 |    |    | 63 |    | 87 |    |
| 76            |                    |    | 24 |    |    |    |    | 74 |    |    |
|               |                    |    | 26 |    |    |    |    | 76 |    |    |
| 81            | 09                 |    |    |    | 41 | 59 |    |    |    | 91 |
| 84            |                    |    | 22 |    |    |    |    | 72 |    |    |
|               |                    |    | 28 |    |    |    |    | 78 |    |    |
| 89            |                    | 17 |    | 33 |    |    | 67 |    | 83 |    |
| 96            |                    | 14 |    | 36 |    |    | 64 |    | 86 |    |

### 3-digit square termini and corresponding roots

| Sq<br>term | Corresponding root                          |     |     |     |     |     |     |     |
|------------|---------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 000        | 000 + 100n for n = 0 – 9                    |     |     |     |     |     |     |     |
| 001        | 001                                         | 249 | 251 | 499 | 501 | 749 | 751 | 999 |
| 004        | 002                                         | 498 | 502 | 998 |     |     |     |     |
| 009        | 003                                         | 247 | 253 | 497 | 503 | 747 | 753 | 997 |
| 016        | 004                                         | 496 | 504 | 996 |     |     |     |     |
| 024        | 032                                         | 468 | 532 | 968 |     |     |     |     |
| 025        | ( 005, 045, 055, 095 ) + 100n for n = 0 – 9 |     |     |     |     |     |     |     |
| 036        | 006                                         | 494 | 506 | 994 |     |     |     |     |
| 041        | 071                                         | 179 | 321 | 429 | 571 | 679 | 821 | 929 |
| 044        | 138                                         | 362 | 638 | 862 |     |     |     |     |
| 049        | 007                                         | 243 | 257 | 493 | 507 | 743 | 757 | 993 |
| 056        | 084                                         | 416 | 584 | 916 |     |     |     |     |
| 064        | 008                                         | 492 | 508 | 992 |     |     |     |     |
| 076        | 226                                         | 274 | 726 | 774 |     |     |     |     |
| 081        | 009                                         | 241 | 259 | 491 | 509 | 741 | 759 | 991 |
| 084        | 078                                         | 422 | 578 | 922 |     |     |     |     |
| 089        | 033                                         | 217 | 283 | 467 | 533 | 717 | 783 | 967 |
| 096        | 064                                         | 436 | 564 | 936 |     |     |     |     |
| 100        | ( 010, 090 ) + 100n for n = 0 – 9           |     |     |     |     |     |     |     |
| 104        | 152                                         | 348 | 652 | 848 |     |     |     |     |
| 116        | 046                                         | 454 | 546 | 954 |     |     |     |     |
| 121        | 011                                         | 239 | 261 | 489 | 511 | 739 | 761 | 989 |
| 124        | 182                                         | 318 | 682 | 818 |     |     |     |     |
| 129        | 123                                         | 127 | 373 | 377 | 623 | 627 | 873 | 877 |
| 136        | 056                                         | 444 | 556 | 944 |     |     |     |     |
| 144        | 012                                         | 488 | 512 | 988 |     |     |     |     |
| 156        | 034                                         | 466 | 534 | 966 |     |     |     |     |
| 161        | 119                                         | 131 | 369 | 381 | 619 | 631 | 869 | 881 |
| 164        | 142                                         | 358 | 642 | 858 |     |     |     |     |
| 169        | 013                                         | 237 | 263 | 487 | 513 | 737 | 763 | 987 |
| 176        | 224                                         | 276 | 724 | 776 |     |     |     |     |
| 184        | 072                                         | 428 | 572 | 928 |     |     |     |     |
| 196        | 014                                         | 486 | 514 | 986 |     |     |     |     |

Sq  
term

Corresponding root

|     |                                             |     |     |     |     |     |     |     |
|-----|---------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 201 | 101                                         | 149 | 351 | 399 | 601 | 649 | 851 | 899 |
| 204 | 198                                         | 302 | 698 | 802 |     |     |     |     |
| 209 | 047                                         | 203 | 297 | 453 | 547 | 703 | 797 | 953 |
| 216 | 096                                         | 404 | 596 | 904 |     |     |     |     |
| 224 | 168                                         | 332 | 668 | 832 |     |     |     |     |
| 225 | ( 015, 035, 065, 085 ) + 100n for n = 0 – 9 |     |     |     |     |     |     |     |
| 236 | 106                                         | 394 | 606 | 894 |     |     |     |     |
| 241 | 079                                         | 171 | 329 | 421 | 579 | 671 | 829 | 921 |
| 244 | 162                                         | 338 | 662 | 838 |     |     |     |     |
| 249 | 057                                         | 193 | 307 | 442 | 557 | 693 | 807 | 943 |
| 256 | 016                                         | 484 | 516 | 984 |     |     |     |     |
| 264 | 208                                         | 292 | 708 | 792 |     |     |     |     |
| 276 | 174                                         | 326 | 674 | 826 |     |     |     |     |
| 281 | 091                                         | 159 | 341 | 409 | 591 | 659 | 841 | 909 |
| 284 | 222                                         | 278 | 722 | 778 |     |     |     |     |
| 289 | 017                                         | 233 | 267 | 483 | 517 | 733 | 767 | 983 |
| 296 | 036                                         | 464 | 536 | 964 |     |     |     |     |
| 304 | 048                                         | 452 | 548 | 952 |     |     |     |     |
| 316 | 146                                         | 354 | 646 | 854 |     |     |     |     |
| 321 | 111                                         | 139 | 361 | 389 | 611 | 639 | 861 | 889 |
| 324 | 018                                         | 482 | 518 | 982 |     |     |     |     |
| 329 | 073                                         | 177 | 323 | 427 | 573 | 677 | 823 | 927 |
| 336 | 156                                         | 344 | 656 | 844 |     |     |     |     |
| 344 | 188                                         | 312 | 688 | 812 |     |     |     |     |
| 356 | 066                                         | 434 | 566 | 934 |     |     |     |     |
| 361 | 019                                         | 231 | 269 | 481 | 519 | 731 | 769 | 981 |
| 364 | 058                                         | 442 | 558 | 942 |     |     |     |     |
| 369 | 037                                         | 213 | 287 | 463 | 537 | 713 | 787 | 963 |
| 376 | 124                                         | 376 | 624 | 876 |     |     |     |     |
| 384 | 128                                         | 372 | 628 | 872 |     |     |     |     |
| 396 | 086                                         | 414 | 586 | 914 |     |     |     |     |

Sq  
term

Corresponding root

|     |                                   |     |     |     |     |     |     |     |
|-----|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 400 | ( 020, 080 ) + 100n for n = 0 – 9 |     |     |     |     |     |     |     |
| 401 | 049                               | 201 | 299 | 451 | 549 | 701 | 799 | 951 |
| 404 | 102                               | 398 | 602 | 898 |     |     |     |     |
| 409 | 097                               | 153 | 347 | 403 | 597 | 653 | 847 | 903 |
| 416 | 196                               | 304 | 696 | 804 |     |     |     |     |
| 424 | 132                               | 368 | 632 | 868 |     |     |     |     |
| 436 | 206                               | 294 | 706 | 794 |     |     |     |     |
| 441 | 021                               | 229 | 271 | 479 | 521 | 729 | 771 | 979 |
| 444 | 038                               | 462 | 538 | 962 |     |     |     |     |
| 449 | 107                               | 143 | 357 | 393 | 607 | 643 | 857 | 893 |
| 456 | 116                               | 384 | 616 | 884 |     |     |     |     |
| 464 | 092                               | 408 | 592 | 908 |     |     |     |     |
| 476 | 074                               | 426 | 574 | 926 |     |     |     |     |
| 481 | 059                               | 191 | 309 | 441 | 559 | 691 | 809 | 941 |
| 484 | 022                               | 478 | 522 | 978 |     |     |     |     |
| 489 | 067                               | 183 | 317 | 433 | 567 | 683 | 817 | 933 |
| 496 | 136                               | 364 | 636 | 864 |     |     |     |     |
| 500 | 050 + 100n for n = 0 – 9          |     |     |     |     |     |     |     |
| 504 | 248                               | 252 | 748 | 752 |     |     |     |     |
| 516 | 246                               | 254 | 746 | 754 |     |     |     |     |
| 521 | 039                               | 211 | 289 | 461 | 539 | 711 | 789 | 961 |
| 524 | 218                               | 282 | 718 | 782 |     |     |     |     |
| 529 | 023                               | 227 | 273 | 477 | 523 | 717 | 773 | 977 |
| 536 | 244                               | 256 | 744 | 756 |     |     |     |     |
| 544 | 112                               | 388 | 612 | 888 |     |     |     |     |
| 556 | 166                               | 334 | 666 | 834 |     |     |     |     |
| 561 | 081                               | 169 | 331 | 419 | 581 | 669 | 831 | 919 |
| 564 | 242                               | 258 | 742 | 758 |     |     |     |     |
| 569 | 087                               | 163 | 337 | 413 | 587 | 663 | 837 | 913 |
| 576 | 024                               | 476 | 524 | 976 |     |     |     |     |
| 584 | 172                               | 328 | 672 | 828 |     |     |     |     |
| 596 | 186                               | 314 | 686 | 814 |     |     |     |     |

Sq  
term

Corresponding root

|     |                                   |     |     |     |     |     |     |     |
|-----|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 600 | ( 040, 060 ) + 100n for n = 0 – 9 |     |     |     |     |     |     |     |
| 601 | 051                               | 199 | 301 | 449 | 551 | 699 | 801 | 949 |
| 604 | 098                               | 402 | 598 | 902 |     |     |     |     |
| 609 | 103                               | 147 | 353 | 397 | 603 | 647 | 853 | 897 |
| 616 | 204                               | 296 | 704 | 796 |     |     |     |     |
| 624 | 068                               | 432 | 568 | 932 |     |     |     |     |
| 625 | ( 025, 075 ) + 100n for n = 0 – 9 |     |     |     |     |     |     |     |
| 636 | 194                               | 306 | 694 | 806 |     |     |     |     |
| 641 | 121                               | 129 | 371 | 379 | 621 | 629 | 871 | 879 |
| 644 | 238                               | 363 | 738 | 762 |     |     |     |     |
| 649 | 093                               | 157 | 343 | 407 | 593 | 657 | 843 | 907 |
| 656 | 216                               | 284 | 716 | 784 |     |     |     |     |
| 664 | 108                               | 392 | 608 | 892 |     |     |     |     |
| 676 | 026                               | 474 | 526 | 974 |     |     |     |     |
| 681 | 041                               | 209 | 291 | 459 | 541 | 709 | 791 | 959 |
| 684 | 178                               | 322 | 678 | 822 |     |     |     |     |
| 689 | 117                               | 133 | 367 | 383 | 617 | 633 | 867 | 883 |
| 696 | 236                               | 264 | 736 | 764 |     |     |     |     |
| 704 | 052                               | 448 | 552 | 948 |     |     |     |     |
| 716 | 154                               | 346 | 654 | 846 |     |     |     |     |
| 721 | 061                               | 189 | 311 | 429 | 561 | 689 | 811 | 939 |
| 724 | 082                               | 418 | 582 | 918 |     |     |     |     |
| 729 | 027                               | 223 | 277 | 473 | 527 | 723 | 777 | 973 |
| 736 | 144                               | 356 | 644 | 856 |     |     |     |     |
| 744 | 088                               | 412 | 588 | 912 |     |     |     |     |
| 756 | 234                               | 266 | 734 | 766 |     |     |     |     |
| 761 | 069                               | 181 | 319 | 431 | 569 | 681 | 819 | 931 |
| 764 | 042                               | 458 | 542 | 958 |     |     |     |     |
| 769 | 113                               | 137 | 363 | 387 | 613 | 637 | 863 | 887 |
| 776 | 076                               | 424 | 576 | 924 |     |     |     |     |
| 784 | 028                               | 472 | 528 | 972 |     |     |     |     |
| 796 | 214                               | 286 | 714 | 786 |     |     |     |     |

| Sq<br>term | Corresponding root                |     |     |     |     |     |     |     |
|------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 801        | 099                               | 151 | 349 | 401 | 599 | 651 | 849 | 901 |
| 804        | 202                               | 298 | 702 | 798 |     |     |     |     |
| 809        | 053                               | 197 | 303 | 447 | 553 | 697 | 803 | 947 |
| 816        | 104                               | 396 | 604 | 896 |     |     |     |     |
| 824        | 232                               | 268 | 732 | 768 |     |     |     |     |
| 836        | 094                               | 406 | 594 | 906 |     |     |     |     |
| 841        | 029                               | 221 | 279 | 471 | 529 | 721 | 779 | 971 |
| 844        | 062                               | 438 | 562 | 938 |     |     |     |     |
| 849        | 043                               | 207 | 293 | 457 | 543 | 707 | 793 | 957 |
| 856        | 184                               | 316 | 684 | 816 |     |     |     |     |
| 864        | 192                               | 308 | 692 | 808 |     |     |     |     |
| 867        | 126                               | 374 | 626 | 874 |     |     |     |     |
| 881        | 109                               | 141 | 359 | 391 | 609 | 641 | 859 | 891 |
| 884        | 122                               | 378 | 622 | 878 |     |     |     |     |
| 889        | 083                               | 167 | 333 | 417 | 583 | 667 | 833 | 917 |
| 896        | 164                               | 336 | 664 | 836 |     |     |     |     |
| 900        | ( 030, 070 ) + 100n for n = 0 – 9 |     |     |     |     |     |     |     |
| 904        | 148                               | 352 | 648 | 852 |     |     |     |     |
| 916        | 054                               | 446 | 554 | 946 |     |     |     |     |
| 921        | 089                               | 161 | 339 | 411 | 589 | 661 | 839 | 911 |
| 924        | 118                               | 382 | 618 | 882 |     |     |     |     |
| 929        | 077                               | 173 | 327 | 423 | 577 | 673 | 827 | 923 |
| 936        | 044                               | 456 | 544 | 956 |     |     |     |     |
| 944        | 212                               | 288 | 712 | 788 |     |     |     |     |
| 956        | 134                               | 366 | 634 | 866 |     |     |     |     |
| 961        | 031                               | 219 | 281 | 469 | 531 | 719 | 781 | 969 |
| 964        | 158                               | 342 | 658 | 842 |     |     |     |     |
| 969        | 063                               | 187 | 313 | 437 | 563 | 687 | 813 | 937 |
| 976        | 176                               | 324 | 676 | 824 |     |     |     |     |
| 984        | 228                               | 272 | 728 | 772 |     |     |     |     |
| 996        | 114                               | 386 | 614 | 886 |     |     |     |     |

**Sets of 3-digit square, triangular and prime numbers that between them contain all of the digits from 1 to 9 inclusive.**

| Square | Triangular | Prime | Square | Triangular | Prime |
|--------|------------|-------|--------|------------|-------|
| 169    | 253        | 487   | 529    | 378        | 461   |
| 169    | 325        | 487   | 529    | 378        | 641   |
| 169    | 435        | 827   | 529    | 741        | 683   |
| 169    | 528        | 347   | 529    | 741        | 863   |
| 169    | 528        | 743   | 529    | 861        | 347   |
| 196    | 253        | 487   | 529    | 861        | 743   |
| 196    | 325        | 487   | 625    | 378        | 149   |
| 196    | 435        | 827   | 625    | 378        | 419   |
| 196    | 528        | 347   | 625    | 378        | 491   |
| 196    | 528        | 743   | 625    | 378        | 941   |
| 256    | 378        | 149   | 625    | 741        | 389   |
| 256    | 378        | 419   | 625    | 741        | 839   |
| 256    | 378        | 491   | 625    | 741        | 983   |
| 256    | 378        | 941   | 784    | 153        | 269   |
| 256    | 741        | 389   | 784    | 231        | 569   |
| 256    | 741        | 839   | 784    | 231        | 659   |
| 256    | 741        | 983   | 784    | 253        | 619   |
| 289    | 136        | 457   | 784    | 253        | 691   |
| 289    | 136        | 547   | 784    | 325        | 619   |
| 289    | 153        | 467   | 784    | 325        | 691   |
| 289    | 153        | 647   | 784    | 351        | 269   |
| 289    | 351        | 467   | 784    | 561        | 239   |
| 289    | 351        | 647   | 784    | 561        | 293   |
| 289    | 435        | 167   | 841    | 253        | 769   |
| 289    | 435        | 617   | 841    | 253        | 967   |
| 289    | 435        | 761   | 841    | 276        | 359   |
| 289    | 465        | 137   | 841    | 276        | 593   |
| 289    | 465        | 317   | 841    | 276        | 953   |
| 289    | 465        | 173   | 841    | 325        | 769   |
| 289    | 561        | 347   | 841    | 325        | 967   |
| 289    | 561        | 743   | 961    | 253        | 487   |
| 289    | 741        | 563   | 961    | 325        | 487   |
| 289    | 741        | 653   | 961    | 435        | 827   |
| 361    | 528        | 479   | 961    | 528        | 347   |
| 361    | 528        | 947   | 961    | 528        | 743   |
| 529    | 136        | 487   |        |            |       |

**Sets of three 3-digit primes that between them contain all of the digits from 1 to 9 inclusive**

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 127 | 463 | 859 | 271 | 463 | 859 | 463 | 751 | 829 |
| 127 | 643 | 859 | 271 | 643 | 859 | 467 | 521 | 839 |
| 149 | 257 | 683 | 281 | 347 | 569 | 467 | 521 | 983 |
| 149 | 257 | 863 | 281 | 347 | 659 | 467 | 593 | 821 |
| 149 | 263 | 587 | 281 | 359 | 467 | 467 | 821 | 953 |
| 149 | 263 | 857 | 281 | 359 | 647 | 479 | 521 | 683 |
| 149 | 563 | 827 | 281 | 467 | 593 | 479 | 521 | 863 |
| 149 | 653 | 827 | 281 | 467 | 953 | 479 | 563 | 821 |
| 157 | 463 | 829 | 281 | 479 | 563 | 479 | 653 | 821 |
| 157 | 643 | 829 | 281 | 479 | 653 | 487 | 523 | 619 |
| 163 | 457 | 829 | 281 | 563 | 947 | 487 | 523 | 691 |
| 163 | 547 | 829 | 281 | 569 | 743 | 491 | 563 | 827 |
| 239 | 461 | 587 | 281 | 593 | 647 | 491 | 653 | 827 |
| 239 | 461 | 857 | 281 | 647 | 953 | 521 | 647 | 839 |
| 239 | 587 | 641 | 281 | 653 | 947 | 521 | 647 | 983 |
| 239 | 641 | 857 | 281 | 659 | 743 | 521 | 683 | 947 |
| 241 | 367 | 859 | 283 | 457 | 619 | 521 | 863 | 947 |
| 241 | 673 | 859 | 283 | 457 | 691 | 541 | 673 | 829 |
| 241 | 769 | 853 | 283 | 541 | 769 | 541 | 769 | 823 |
| 241 | 853 | 967 | 283 | 541 | 967 | 541 | 823 | 967 |
| 251 | 389 | 467 | 283 | 547 | 619 | 547 | 613 | 829 |
| 251 | 389 | 647 | 283 | 547 | 691 | 547 | 619 | 823 |
| 251 | 467 | 839 | 293 | 461 | 587 | 547 | 631 | 829 |
| 251 | 467 | 983 | 293 | 461 | 857 | 547 | 691 | 823 |
| 251 | 479 | 683 | 293 | 587 | 641 | 563 | 821 | 947 |
| 251 | 479 | 863 | 293 | 857 | 641 | 563 | 827 | 941 |
| 251 | 647 | 839 | 347 | 569 | 821 | 569 | 743 | 821 |
| 251 | 647 | 983 | 347 | 659 | 821 | 571 | 643 | 829 |
| 251 | 683 | 947 | 359 | 461 | 827 | 593 | 641 | 827 |
| 251 | 863 | 947 | 359 | 467 | 821 | 593 | 647 | 821 |
| 257 | 389 | 461 | 359 | 641 | 827 | 641 | 827 | 953 |
| 257 | 389 | 641 | 359 | 647 | 821 | 643 | 751 | 829 |
| 257 | 419 | 683 | 367 | 421 | 859 | 647 | 821 | 953 |
| 257 | 419 | 863 | 367 | 541 | 829 | 653 | 821 | 947 |
| 257 | 461 | 839 | 389 | 467 | 521 | 653 | 827 | 941 |
| 257 | 461 | 983 | 389 | 521 | 647 | 659 | 743 | 821 |
| 257 | 491 | 683 | 419 | 563 | 827 |     |     |     |
| 257 | 491 | 863 | 419 | 653 | 827 |     |     |     |
| 257 | 641 | 839 | 421 | 673 | 859 |     |     |     |
| 257 | 641 | 983 | 421 | 769 | 853 |     |     |     |
| 257 | 683 | 941 | 421 | 853 | 967 |     |     |     |
| 257 | 863 | 941 | 431 | 569 | 827 |     |     |     |
| 263 | 419 | 587 | 431 | 659 | 827 |     |     |     |
| 263 | 419 | 857 | 457 | 613 | 829 |     |     |     |
| 263 | 491 | 587 | 457 | 619 | 823 |     |     |     |
| 263 | 491 | 857 | 457 | 631 | 829 |     |     |     |
| 263 | 587 | 941 | 457 | 691 | 823 |     |     |     |
| 263 | 857 | 941 | 461 | 593 | 827 |     |     |     |
| 269 | 431 | 587 | 461 | 827 | 953 |     |     |     |
| 269 | 431 | 857 | 463 | 571 | 829 |     |     |     |