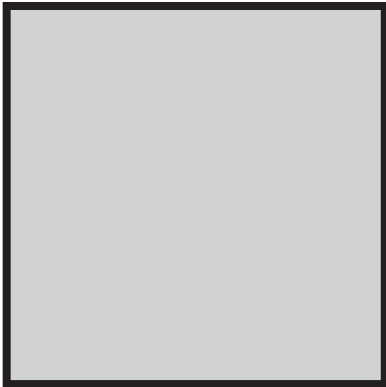


1. Calculer la racine carrée de 16. $\sqrt{16} = 4$

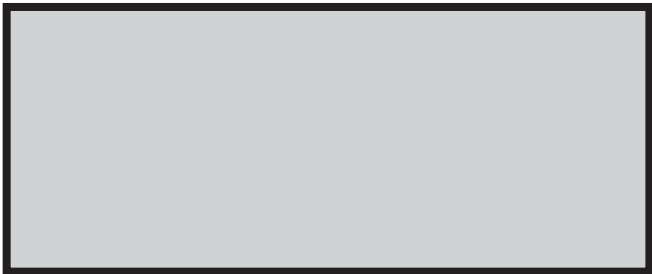
2. Calculer la racine carrée de 25. $\sqrt{25} = 5$

Exercice 60 page 53

3. Calculer la racine carrée de 36. $\sqrt{36} = 6$

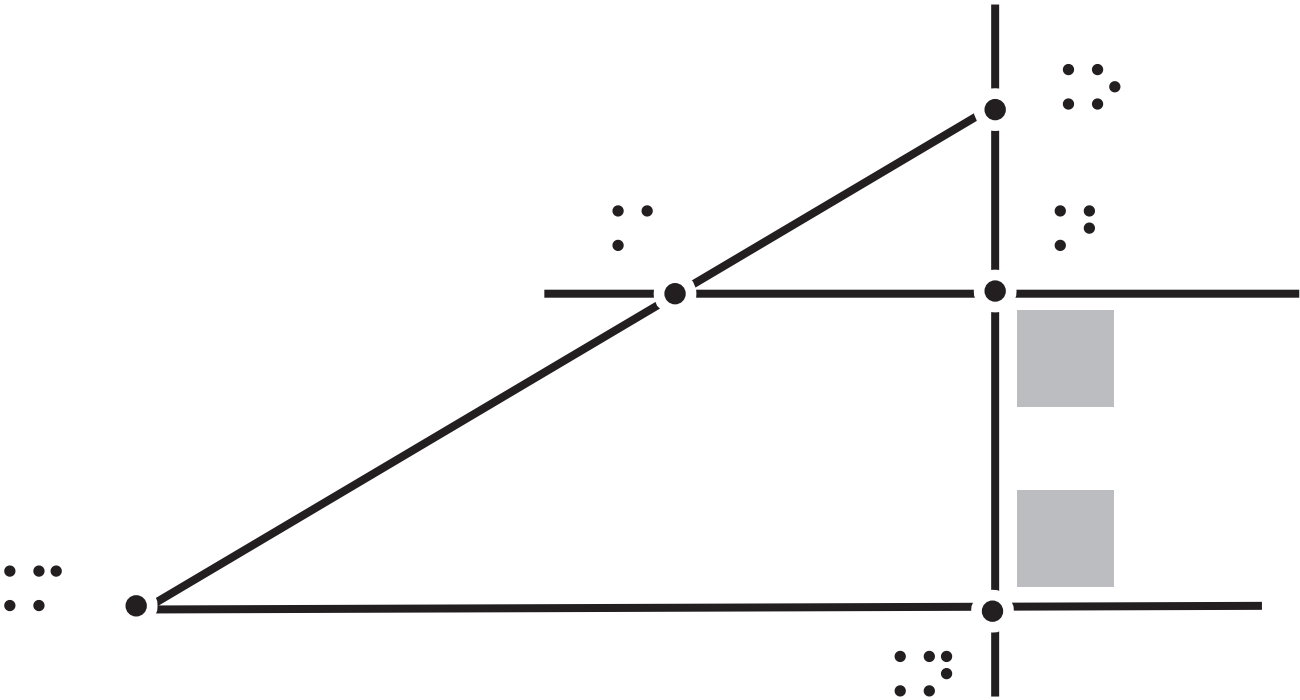


4. Calculer la racine carrée de 49. $\sqrt{49} = 7$



5. Calculer la racine carrée de 64. $\sqrt{64} = 8$

Exercice 61 page 53

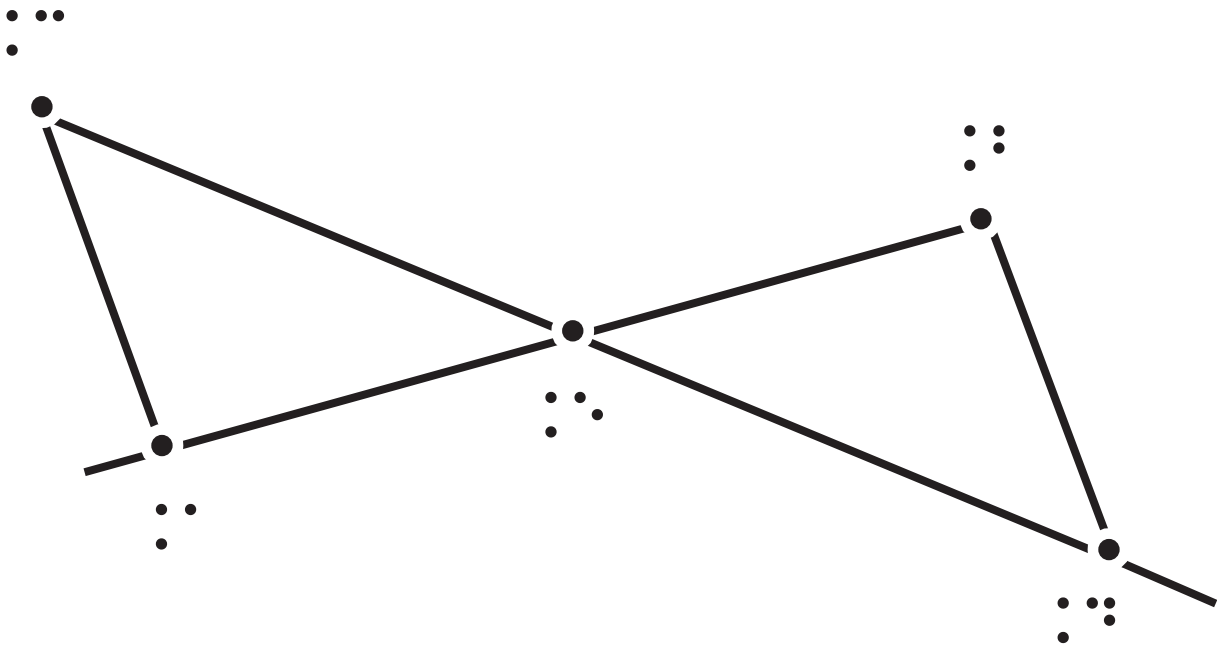


1. Calculer les racines carrées des nombres suivants :
 16 , 25 , 36 , 49 , 64 , 81 , 100 , 121 , 144 , 169 , 196 , 225 , 256 , 289 , 324 , 361 , 400 , 441 , 484 , 529 , 576 , 625 , 676 , 729 , 784 , 841 , 900 , 961 , 1024 , 1089 , 1156 , 1225 , 1296 , 1369 , 1444 , 1521 , 1600 , 1681 , 1764 , 1849 , 1936 , 2025 , 2116 , 2209 , 2304 , 2401 , 2500 , 2601 , 2704 , 2809 , 2916 , 3025 , 3136 , 3249 , 3364 , 3481 , 3600 , 3721 , 3844 , 3969 , 4096 , 4225 , 4356 , 4489 , 4624 , 4761 , 4900 , 5041 , 5184 , 5329 , 5476 , 5625 , 5776 , 5929 , 6084 , 6241 , 6400 , 6561 , 6724 , 6889 , 7056 , 7225 , 7396 , 7569 , 7744 , 7921 , 8100 , 8281 , 8464 , 8649 , 8836 , 9025 , 9216 , 9409 , 9604 , 9801 , 10000 .

2. Calculer les racines carrées des nombres suivants :
 1 , 4 , 9 , 16 , 25 , 36 , 49 , 64 , 81 , 100 , 121 , 144 , 169 , 196 , 225 , 256 , 289 , 324 , 361 , 400 , 441 , 484 , 529 , 576 , 625 , 676 , 729 , 784 , 841 , 900 , 961 , 1024 , 1089 , 1156 , 1225 , 1296 , 1369 , 1444 , 1521 , 1600 , 1681 , 1764 , 1849 , 1936 , 2025 , 2116 , 2209 , 2304 , 2401 , 2500 , 2601 , 2704 , 2809 , 2916 , 3025 , 3136 , 3249 , 3364 , 3481 , 3600 , 3721 , 3844 , 3969 , 4096 , 4225 , 4356 , 4489 , 4624 , 4761 , 4900 , 5041 , 5184 , 5329 , 5476 , 5625 , 5776 , 5929 , 6084 , 6241 , 6400 , 6561 , 6724 , 6889 , 7056 , 7225 , 7396 , 7569 , 7744 , 7921 , 8100 , 8281 , 8464 , 8649 , 8836 , 9025 , 9216 , 9409 , 9604 , 9801 , 10000 .

Exercice 62 page 53

3. Calculer les racines carrées des nombres suivants :
 1 , 4 , 9 , 16 , 25 , 36 , 49 , 64 , 81 , 100 , 121 , 144 , 169 , 196 , 225 , 256 , 289 , 324 , 361 , 400 , 441 , 484 , 529 , 576 , 625 , 676 , 729 , 784 , 841 , 900 , 961 , 1024 , 1089 , 1156 , 1225 , 1296 , 1369 , 1444 , 1521 , 1600 , 1681 , 1764 , 1849 , 1936 , 2025 , 2116 , 2209 , 2304 , 2401 , 2500 , 2601 , 2704 , 2809 , 2916 , 3025 , 3136 , 3249 , 3364 , 3481 , 3600 , 3721 , 3844 , 3969 , 4096 , 4225 , 4356 , 4489 , 4624 , 4761 , 4900 , 5041 , 5184 , 5329 , 5476 , 5625 , 5776 , 5929 , 6084 , 6241 , 6400 , 6561 , 6724 , 6889 , 7056 , 7225 , 7396 , 7569 , 7744 , 7921 , 8100 , 8281 , 8464 , 8649 , 8836 , 9025 , 9216 , 9409 , 9604 , 9801 , 10000 .



1. Calculer les racines carrées des nombres suivants :
16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400, 441, 484, 529, 576, 625, 676, 729, 784, 841, 900, 961, 1024, 1089, 1156, 1225, 1296, 1369, 1444, 1521, 1600, 1681, 1764, 1849, 1936, 2025, 2116, 2209, 2304, 2401, 2500, 2601, 2704, 2809, 2916, 3025, 3136, 3249, 3364, 3481, 3600, 3721, 3844, 3969, 4096, 4225, 4356, 4489, 4624, 4761, 4900, 5041, 5184, 5329, 5476, 5625, 5776, 5929, 6084, 6241, 6400, 6561, 6724, 6891, 7064, 7241, 7424, 7611, 7804, 8001, 8204, 8411, 8624, 8841, 9064, 9291, 9524, 9761, 10004, 10251, 10504, 10761, 11024, 11291, 11564, 11841, 12124, 12411, 12704, 13001, 13304, 13611, 13924, 14241, 14564, 14891, 15224, 15561, 15904, 16251, 16604, 16961, 17324, 17691, 18064, 18441, 18824, 19211, 19604, 20001, 20404, 20811, 21224, 21641, 22064, 22491, 22924, 23361, 23804, 24251, 24704, 25161, 25624, 26091, 26564, 27041, 27524, 28011, 28504, 29001, 29504, 30011, 30524, 31041, 31564, 32091, 32624, 33161, 33704, 34251, 34804, 35361, 35924, 36491, 37064, 37641, 38224, 38811, 39404, 40001, 40604, 41211, 41824, 42441, 43064, 43691, 44324, 44961, 45604, 46251, 46904, 47561, 48224, 48891, 49564, 50241, 50924, 51611, 52304, 53001, 53704, 54411, 55124, 55841, 56564, 57291, 58024, 58761, 59504, 60251, 61004, 61761, 62524, 63291, 64064, 64841, 65624, 66411, 67204, 68001, 68804, 69611, 70424, 71241, 72064, 72891, 73724, 74561, 75404, 76251, 77104, 77961, 78824, 79691, 80564, 81441, 82324, 83211, 84104, 85001, 85904, 86811, 87724, 88641, 89564, 90491, 91424, 92361, 93304, 94251, 95204, 96161, 97124, 98091, 99064, 100041, 101016, 102001, 103004, 104011, 105024, 106041, 107064, 108091, 109124, 110161, 111204, 112251, 113304, 114361, 115424, 116491, 117564, 118641, 119724, 120811, 121904, 123001, 124104, 125211, 126324, 127441, 128564, 129691, 130824, 131961, 133104, 134251, 135404, 136561, 137724, 138891, 140064, 141241, 142424, 143611, 144804, 146001, 147204, 148411, 149624, 150841, 152064, 153291, 154524, 155761, 157004, 158251, 159504, 160761, 162024, 163291, 164564, 165841, 167124, 168411, 169704, 171001, 172304, 173611, 174924, 176241, 177564, 178891, 180224, 181561, 182904, 184251, 185604, 186961, 188324, 189691, 191064, 192441, 193824, 195211, 196604, 198001, 199404, 200811, 202224, 203641, 205064, 206491, 207924, 209361, 210804, 212251, 213704, 215161, 216624, 218091, 219564, 221041, 222524, 224011, 225504, 227001, 228504, 230011, 231524, 233041, 234564, 236091, 237624, 239161, 240704, 242251, 243804, 245361, 246924, 248491, 250064, 251641, 253224, 254811, 256404, 258001, 259604, 261211, 262824, 264441, 266064, 267691, 269324, 270961, 272604, 274251, 275904, 277561, 279224, 280891, 282564, 284241, 285924, 287611, 289304, 291001, 292704, 294411, 296124, 297841, 299564, 301291, 303024, 304761, 306504, 308251, 310004, 311761, 313524, 315291, 317064, 318841, 320624, 322411, 324204, 326001, 327804, 329611, 331424, 333241, 335064, 336891, 338724, 340561, 342404, 344251, 346104, 347961, 349824, 351691, 353564, 355441, 357324, 359211, 361104, 363001, 364904, 366811, 368724, 370641, 372564, 374491, 376424, 378361, 380304, 382251, 384204, 386161, 388124, 390091, 392064, 394041, 396024, 398011, 400004, 402001, 404004, 406011, 408024, 410041, 412064, 414091, 416124, 418161, 420204, 422251, 424304, 426361, 428424, 430491, 432564, 434641, 436724, 438811, 440904, 443001, 445104, 447211, 449324, 451441, 453564, 455691, 457824, 459961, 462104, 464251, 466404, 468561, 470724, 472891, 475064, 477241, 479424, 481611, 483804, 486001, 488204, 490411, 492624, 494841, 497064, 499291, 501524, 503761, 506004, 508251, 510504, 512761, 515024, 517291, 519564, 521841, 524124, 526411, 528704, 531001, 533304, 535611, 537924, 540241, 542564, 544891, 547224, 549561, 551904, 554251, 556604, 558961, 561324, 563691, 566064, 568441, 570824, 573211, 575604, 578001, 580404, 582811, 585224, 587641, 590064, 592491, 594924, 597361, 599804, 602251, 604704, 607161, 609624, 612091, 614564, 617041, 619524, 622011, 624504, 627001, 629504, 632011, 634524, 637041, 639564, 642091, 644624, 647161, 649704, 652251, 654804, 657361, 659924, 662491, 665064, 667641, 670224, 672811, 675404, 678001, 680604, 683211, 685824, 688441, 691064, 693691, 696324, 698961, 701604, 704251, 706904, 709561, 712224, 714891, 717564, 720241, 722924, 725611, 728304, 731001, 733704, 736411, 739124, 741841, 744564, 747291, 750024, 752761, 755504, 758251, 761004, 763761, 766524, 769291, 772064, 774841, 777624, 780411, 783204, 786001, 788804, 791611, 794424, 797241, 800064, 802891, 805724, 808561, 811404, 814251, 817104, 820001, 822904, 825811, 828724, 831641, 834564, 837491, 840424, 843361, 846304, 849251, 852204, 855161, 858124, 861091, 864064, 867041, 870024, 873011, 876004, 879001, 882004, 885011, 888024, 891041, 894064, 897091, 900124, 903161, 906204, 909251, 912304, 915361, 918424, 921491, 924564, 927641, 930724, 933811, 936904, 940001, 943104, 946211, 949324, 952441, 955564, 958691, 961824, 964961, 968104, 971251, 974404, 977561, 980724, 983891, 987064, 990241, 993424, 996611, 999804, 1003001, 1006204, 1009411, 1012624, 1015841, 1019064, 1022291, 1025524, 1028761, 1032004, 1035251, 1038504, 1041761, 1045024, 1048291, 1051564, 1054841, 1058124, 1061411, 1064704, 1068001, 1071304, 1074611, 1077924, 1081241, 1084564, 1087891, 1091224, 1094561, 1097904, 1101251, 1104604, 1107961, 1111324, 1114691, 1118064, 1121441, 1124824, 1128211, 1131604, 1135001, 1138404, 1141811, 1145224, 1148641, 1152064, 1155491, 1158924, 1162361, 1165804, 1169251, 1172704, 1176161, 1179624, 1183091, 1186564, 1190041, 1193524, 1197011, 1200504, 1204001, 1207504, 1211011, 1214524, 1218041, 1221564, 1225091, 1228624, 1232161, 1235704, 1239251, 1242804, 1246361, 1249924, 1253491, 1257064, 1260641, 1264224, 1267811, 1271404, 1275001, 1278604, 1282211, 1285824, 1289441, 1293064, 1296691, 1300324, 1303961, 1307604, 1311251, 1314904, 1318561, 1322224, 1325891, 1329564, 1333241, 1336924, 1340611, 1344304, 1348001, 1351704, 1355411, 1359124, 1362841, 1366564, 1370291, 1374024, 1377761, 1381504, 1385251, 1389004, 1392761, 1396524, 1400291, 1404064, 1407841, 1411624, 1415411, 1419204, 1423001, 1426804, 1430611, 1434424, 1438241, 1442064, 1445891, 1449724, 1453561, 1457404, 1461251, 1465104, 1468961, 1472824, 1476691, 1480564, 1484441, 1488324, 1492211, 1496104, 1500001, 1503904, 1507811, 1511724, 1515641, 1519564, 1523491, 1527424, 1531361, 1535304, 1539251, 1543204, 1547161, 1551124, 1555091, 1559064, 1563041, 1567024, 1571011, 1575004, 1579001, 1583004, 1587011, 1591024, 1595041, 1599064, 1603091, 1607124, 1611161, 1615204, 1619251, 1623304, 1627361, 1631424, 1635491, 1639564, 1643641, 1647724, 1651811, 1655904, 1660001, 1664104, 1668211, 1672324, 1676441, 1680564, 1684691, 1688824, 1692961, 1697104, 1701251, 1705404, 1709561, 1713724, 1717891, 1722064, 1726241, 1730424, 1734611, 1738804, 1743001, 1747204, 1751411, 1755624, 1759841, 1764064, 1768291, 1772524, 1776761, 1781004, 1785251, 1789504, 1793761, 1798024, 1802291, 1806564, 1810841, 1815124, 1819411, 1823704, 1828001, 1832304, 1836611, 1840924, 1845241, 1849564, 1853891, 1858224, 1862561, 1866904, 1871251, 1875604, 1880001, 1884404, 1888811, 1893224, 1897641, 1902064, 1906491, 1910924, 1915361, 1919804, 1924251, 1928704, 1933161, 1937624, 1942091, 1946564, 1951041, 1955524, 1960011, 1964504, 1969001, 1973504, 1978011, 1982524, 1987041, 1991564, 1996091, 2000624, 2005161, 2009704, 2014251, 2018804, 2023361, 2027924, 2032491, 2037064, 2041641, 2046224, 2050811, 2055404, 2060001, 2064604, 2069211, 2073824, 2078441, 2083064, 2087691, 2092324, 2096961, 2101604, 2106251, 2110904, 2115561, 2120224, 2124891, 2129564, 2134241, 2138924, 2143611, 2148304, 2153001, 2157704, 2162411, 2167124, 2171841, 2176564, 2181291, 2186024, 2190761, 2195504, 2200251, 2205004, 2209761, 2214524, 2219291, 2224064, 2228841, 2233624, 2238411, 2243204, 2248001, 2252804, 2257611, 2262424, 2267241, 2272064, 2276891, 2281724, 2286561, 2291404, 2296251, 2301104, 2305961, 2310824, 2315691, 2320564, 2325441, 2330324, 2335211, 2340104, 2345001, 2349904, 2354811, 2359724, 2364641, 2369564, 2374491, 2379424, 2384361, 2389304, 2394251, 2399204, 2404161, 2409124, 2414091, 2419064, 2424041, 2429024, 2434011, 2439004, 2444001, 2449004, 2454011, 2459024, 2464041, 2469064, 2474091, 2479124, 2484161, 2489204, 2494251, 2499304, 2504361, 2509424, 2514491, 2519564, 2524641, 2529724, 2534811, 2539904, 2545001, 2550104, 2555211, 2560324, 2565441, 2570564, 2575691, 2580824, 2585961, 2591104, 2596251, 2601404, 2606561, 2611724, 2616891, 2622064, 2627241, 2632424, 2637611, 2642804, 2648001, 2653204, 2658411, 2663624, 2668841, 2674064, 2679291, 2684524, 2689761, 2695004, 2700251, 2705504, 2710761, 2716024, 2721291, 2726564, 2731841, 2737124, 2742411, 2747704, 2753001, 2758304, 2763611, 2768924, 2774241, 2779564, 2784891, 2790224, 2795561, 2800904, 2806251, 2811604, 2816961, 2822324, 2827691, 2833064, 2838441, 2843824, 2849211, 2854604, 2860001, 2865404, 2870811, 2876224, 2881641, 2887064, 2892491, 2897924, 2903361, 2908804, 2914251, 2919704, 2925161, 2930624, 2936091, 2941564, 2947041, 2952524, 2958011, 2963504, 2969001, 2974504, 2980011, 2985524, 2991041, 2996564, 3002091, 3007624, 3013161, 3018704, 3024251, 3029804, 3035361, 3040924, 3046491, 3052064, 3057641, 3063224, 3068811, 3074404, 3080001, 3085604, 3091211, 3096824, 3102441, 3108064, 3113691, 3119324, 3124961, 3130604, 3136251, 3141904, 3147561, 3153224, 3158891, 3164564, 3170241, 3175924, 3181611, 3187304, 3193001, 3198704, 3204411, 3210124, 3215841, 3221564, 3227291, 3233024, 3238761, 3244504, 3250251, 3256004, 3261761, 3267524, 3273291, 3279064, 3284841, 3290624, 3296411, 3302204, 3308001, 3313804, 3319611, 3325424, 3331241, 3337064, 3342891, 3348724, 3354561, 3360404, 3366251, 3372104, 3377961, 3383824, 3389691, 3395564, 3401441, 3407324, 3413211, 3419104, 3425001, 3430904, 3436811, 3442724, 3448641, 3454564, 3460491, 3466424, 3472361, 3478304, 3484251, 3490204, 3496161, 3502124, 3508091, 3514064, 3520041, 3526024, 3532011, 3538004, 3544001, 3550004, 3556011, 3562024, 3568041, 3574064, 3580091, 3586124, 3592161, 3598204, 3604251, 3610304, 3616361, 3622424, 3628491, 3634564, 3640641, 3646724, 3652811, 3658904, 3665001, 3671104, 3677211, 3683324, 3689441, 3695564, 3701691, 3707824, 3713961, 3720104, 3726251, 3732404, 3738561, 3744724, 3750891, 3757064, 3763241, 3769424, 3775611, 3781804, 3788001, 3794204, 3800411, 3806624, 3812841, 3819064, 3825291, 3831524, 3837761, 3844004, 3850251, 3856504, 3862761, 3869024, 3875291, 3881564, 3887841, 3894124, 3900411, 3906704, 3913001, 3919304, 3925611, 3931924, 3938241, 3944564, 3950891, 3957224, 3963561, 3969904, 3976251, 3982604, 3988961, 3995324, 4001691, 4008064, 4014441, 4020824, 4027211, 4033604, 4040001, 4046404, 4052811, 4059224, 4065641, 4072064, 4078491, 4084924, 4091361, 4097804, 4104251, 4110704, 4117161, 4123624, 4130091, 4136564, 4143041, 4149524, 4156011, 4162504, 4169001, 4175504, 4182011, 4188524, 4195041, 4201564, 4208091, 4214624, 4221161, 4227704, 4234251, 4240804, 4247361, 4253924, 4260491, 4267064, 4273641, 4280224, 4286811, 4293404, 4300001, 4306604, 4313211, 4319824, 4326441, 4333064, 4339691, 4346324, 4352961, 4359604, 4366251, 4372904, 4379561, 4386224, 4392891, 4399564, 4406241, 4412924, 4419611, 4426304, 4433001, 4439704, 4446411, 4453124, 4459841, 4466564, 4473291, 4480024, 4486761, 4493504, 4500251, 4507004, 4513761, 4520524, 4527291, 4534064, 4540841, 4547624, 4554411, 4561204, 4568001, 4574804, 4581611, 4588424, 4595241, 4602064, 4608891, 4615724, 4622561, 4629404, 4636251, 4643104, 4650001, 4656904, 4663811, 4670724, 4677641, 4684564, 4691491, 4698424, 4705361, 4712304, 4719251, 4726204, 4733161, 4740124, 4747091, 4754064, 4761041, 4768024, 4775011, 4782004, 4789001, 4796004, 4803011, 4810024, 4817041, 4824064, 4831091, 4838124, 4845161, 4852204, 4859251, 4866304, 4873361, 4880424, 4887491, 4894564, 4901641, 4908724, 4915811, 4922904, 4930001, 4937104, 4944211, 4951324, 4958441, 4965564, 4972691, 4979824, 4986961, 4994104, 5001251, 5008404, 5015561, 5022724, 5029891, 5037064, 5044241, 5051424, 5058611, 5065804, 5073001, 5080204, 5087411, 5094624, 5101841, 5109064, 5116291, 5123524, 5130761, 5138004, 5145251, 5152504, 5159761, 5167024, 5174291, 5181564, 5188841, 5196124, 5203411, 5210704, 5218001, 5225304, 523