

<b>X</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	<b>X</b>
20	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	20
19	19	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323	342	361	380	19
18	18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306	324	342	360	18
17	17	34	51	68	85	102	119	136	153	170	187	204	221	238	255	272	289	306	323	340	17
16	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320	16
15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	15
14	14	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280	14
13	13	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221	234	247	260	13
12	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	12
11	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187	198	209	220	11
10	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	10
9	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	9
8	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	8
7	7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	7
6	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	6
5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	5
4	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	4
3	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	3
2	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	2
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1
<b>X</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	<b>X</b>

<b>N^1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>N^2</b>	4	9	16	25	36	49	64
<b>N^3</b>	8	27	64	125	216	343	512
<b>N^4</b>	16	81	256	625	1,296	2,401	4,096
<b>N^5</b>	32	243	1,024	3,125	7,776	16,807	32,768
<b>N^6</b>	64	729	4,096	15,625	46,656	117,649	262,144
<b>N^7</b>	128	2,187	16,384	78,125	279,936	823,543	2,097,152
<b>N^8</b>	256	6,561	65,536	390,625	1,679,616	5,764,801	16,777,216

- $\pi \approx 3.14$
- $e \approx 2.72$
- $\sqrt{2} \approx 1.41$
- $\sqrt{3} \approx 1.73$
- $\sqrt{5} \approx 2.24$
- $\sqrt{7} \approx 2.65$
- $\ln 2 \approx 0.693$
- $\log_{10} 2 \approx 0.301$

<b>N^1</b>	<b>9</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>N^2</b>	81	121	144	169	196	225	256
<b>N^3</b>	729	1,331	1,728	2,197	2,744	3,375	4,096
<b>N^4</b>	6,561	14,641	20,736	28,561	38,416	50,625	65,536
<b>N^5</b>	59,049	161,051	248,832	371,293	537,824	759,375	1,048,576
<b>N^6</b>	531,441	1,771,561	2,985,984	4,826,809	7,529,536	11,390,625	16,777,216
<b>N^7</b>	4,782,969	19,487,171	35,831,808	62,748,517	105,413,504	170,859,375	268,435,456
<b>N^8</b>	43,046,721	214,358,881	429,981,696	815,730,721	1,475,789,056	2,562,890,625	4,294,967,296

- $e^2 \approx 7.39$
- $e^3 \approx 20.09$
- $e^4 \approx 54.60$
- $\pi^2 \approx 9.87$
- $\pi^3 \approx 31.01$
- $\pi^4 \approx 97.41$

<b>8100</b> <small>90<sup>2</sup></small>	<b>8281</b> <small>91<sup>2</sup></small>	<b>8464</b> <small>92<sup>2</sup></small>	<b>8649</b> <small>93<sup>2</sup></small>	<b>8836</b> <small>94<sup>2</sup></small>	<b>9025</b> <small>95<sup>2</sup></small>	<b>9216</b> <small>96<sup>2</sup></small>	<b>9409</b> <small>97<sup>2</sup></small>	<b>9604</b> <small>98<sup>2</sup></small>	<b>9801</b> <small>99<sup>2</sup></small>
<b>6400</b> <small>80<sup>2</sup></small>	<b>6561</b> <small>81<sup>2</sup></small>	<b>6724</b> <small>82<sup>2</sup></small>	<b>6889</b> <small>83<sup>2</sup></small>	<b>7056</b> <small>84<sup>2</sup></small>	<b>7225</b> <small>85<sup>2</sup></small>	<b>7396</b> <small>86<sup>2</sup></small>	<b>7569</b> <small>87<sup>2</sup></small>	<b>7744</b> <small>88<sup>2</sup></small>	<b>7921</b> <small>89<sup>2</sup></small>
<b>4900</b> <small>70<sup>2</sup></small>	<b>5041</b> <small>71<sup>2</sup></small>	<b>5184</b> <small>72<sup>2</sup></small>	<b>5329</b> <small>73<sup>2</sup></small>	<b>5476</b> <small>74<sup>2</sup></small>	<b>5625</b> <small>75<sup>2</sup></small>	<b>5776</b> <small>76<sup>2</sup></small>	<b>5929</b> <small>77<sup>2</sup></small>	<b>6084</b> <small>78<sup>2</sup></small>	<b>6241</b> <small>79<sup>2</sup></small>
<b>3600</b> <small>60<sup>2</sup></small>	<b>3721</b> <small>61<sup>2</sup></small>	<b>3844</b> <small>62<sup>2</sup></small>	<b>3969</b> <small>63<sup>2</sup></small>	<b>4096</b> <small>64<sup>2</sup></small>	<b>4225</b> <small>65<sup>2</sup></small>	<b>4356</b> <small>66<sup>2</sup></small>	<b>4489</b> <small>67<sup>2</sup></small>	<b>4624</b> <small>68<sup>2</sup></small>	<b>4761</b> <small>69<sup>2</sup></small>
<b>2500</b> <small>50<sup>2</sup></small>	<b>2601</b> <small>51<sup>2</sup></small>	<b>2704</b> <small>52<sup>2</sup></small>	<b>2809</b> <small>53<sup>2</sup></small>	<b>2916</b> <small>54<sup>2</sup></small>	<b>3025</b> <small>55<sup>2</sup></small>	<b>3136</b> <small>56<sup>2</sup></small>	<b>3249</b> <small>57<sup>2</sup></small>	<b>3364</b> <small>58<sup>2</sup></small>	<b>3481</b> <small>59<sup>2</sup></small>
<b>1600</b> <small>40<sup>2</sup></small>	<b>1681</b> <small>41<sup>2</sup></small>	<b>1764</b> <small>42<sup>2</sup></small>	<b>1849</b> <small>43<sup>2</sup></small>	<b>1936</b> <small>44<sup>2</sup></small>	<b>2025</b> <small>45<sup>2</sup></small>	<b>2116</b> <small>46<sup>2</sup></small>	<b>2209</b> <small>47<sup>2</sup></small>	<b>2304</b> <small>48<sup>2</sup></small>	<b>2401</b> <small>49<sup>2</sup></small>
<b>900</b> <small>30<sup>2</sup></small>	<b>961</b> <small>31<sup>2</sup></small>	<b>1024</b> <small>32<sup>2</sup></small>	<b>1089</b> <small>33<sup>2</sup></small>	<b>1156</b> <small>34<sup>2</sup></small>	<b>1225</b> <small>35<sup>2</sup></small>	<b>1296</b> <small>36<sup>2</sup></small>	<b>1369</b> <small>37<sup>2</sup></small>	<b>1444</b> <small>38<sup>2</sup></small>	<b>1521</b> <small>39<sup>2</sup></small>
<b>400</b> <small>20<sup>2</sup></small>	<b>441</b> <small>21<sup>2</sup></small>	<b>484</b> <small>22<sup>2</sup></small>	<b>529</b> <small>23<sup>2</sup></small>	<b>576</b> <small>24<sup>2</sup></small>	<b>625</b> <small>25<sup>2</sup></small>	<b>676</b> <small>26<sup>2</sup></small>	<b>729</b> <small>27<sup>2</sup></small>	<b>784</b> <small>28<sup>2</sup></small>	<b>841</b> <small>29<sup>2</sup></small>
<b>100</b> <small>10<sup>2</sup></small>	<b>121</b> <small>11<sup>2</sup></small>	<b>144</b> <small>12<sup>2</sup></small>	<b>169</b> <small>13<sup>2</sup></small>	<b>196</b> <small>14<sup>2</sup></small>	<b>225</b> <small>15<sup>2</sup></small>	<b>256</b> <small>16<sup>2</sup></small>	<b>289</b> <small>17<sup>2</sup></small>	<b>324</b> <small>18<sup>2</sup></small>	<b>361</b> <small>19<sup>2</sup></small>
<b>x<sup>2</sup></b> <small>squares</small>	<b>1</b> <small>1<sup>2</sup></small>	<b>4</b> <small>2<sup>2</sup></small>	<b>9</b> <small>3<sup>2</sup></small>	<b>16</b> <small>4<sup>2</sup></small>	<b>25</b> <small>5<sup>2</sup></small>	<b>36</b> <small>6<sup>2</sup></small>	<b>49</b> <small>7<sup>2</sup></small>	<b>64</b> <small>8<sup>2</sup></small>	<b>81</b> <small>9<sup>2</sup></small>

$$\pi \approx 3.14$$

$$e \approx 2.72$$

$$\sqrt{2} \approx 1.41$$

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$$\ln 2 \approx 0.693$$

$$\log_{10} 2 \approx 0.301$$

<b>729000</b> <small>90<sup>3</sup></small>	<b>753571</b> <small>91<sup>3</sup></small>	<b>778688</b> <small>92<sup>3</sup></small>	<b>804357</b> <small>93<sup>3</sup></small>	<b>830584</b> <small>94<sup>3</sup></small>	<b>857375</b> <small>95<sup>3</sup></small>	<b>884736</b> <small>96<sup>3</sup></small>	<b>912673</b> <small>97<sup>3</sup></small>	<b>941192</b> <small>98<sup>3</sup></small>	<b>970299</b> <small>99<sup>3</sup></small>
<b>512000</b> <small>80<sup>3</sup></small>	<b>531441</b> <small>81<sup>3</sup></small>	<b>551368</b> <small>82<sup>3</sup></small>	<b>571787</b> <small>83<sup>3</sup></small>	<b>592704</b> <small>84<sup>3</sup></small>	<b>614125</b> <small>85<sup>3</sup></small>	<b>636056</b> <small>86<sup>3</sup></small>	<b>658503</b> <small>87<sup>3</sup></small>	<b>681472</b> <small>88<sup>3</sup></small>	<b>704969</b> <small>89<sup>3</sup></small>
<b>343000</b> <small>70<sup>3</sup></small>	<b>357911</b> <small>71<sup>3</sup></small>	<b>373248</b> <small>72<sup>3</sup></small>	<b>389017</b> <small>73<sup>3</sup></small>	<b>405224</b> <small>74<sup>3</sup></small>	<b>421875</b> <small>75<sup>3</sup></small>	<b>438976</b> <small>76<sup>3</sup></small>	<b>456533</b> <small>77<sup>3</sup></small>	<b>474552</b> <small>78<sup>3</sup></small>	<b>493039</b> <small>79<sup>3</sup></small>
<b>216000</b> <small>60<sup>3</sup></small>	<b>226981</b> <small>61<sup>3</sup></small>	<b>238328</b> <small>62<sup>3</sup></small>	<b>250047</b> <small>63<sup>3</sup></small>	<b>262144</b> <small>64<sup>3</sup></small>	<b>274625</b> <small>65<sup>3</sup></small>	<b>287496</b> <small>66<sup>3</sup></small>	<b>300763</b> <small>67<sup>3</sup></small>	<b>314432</b> <small>68<sup>3</sup></small>	<b>328509</b> <small>69<sup>3</sup></small>
<b>125000</b> <small>50<sup>3</sup></small>	<b>132651</b> <small>51<sup>3</sup></small>	<b>140608</b> <small>52<sup>3</sup></small>	<b>148877</b> <small>53<sup>3</sup></small>	<b>157464</b> <small>54<sup>3</sup></small>	<b>166375</b> <small>55<sup>3</sup></small>	<b>175616</b> <small>56<sup>3</sup></small>	<b>185193</b> <small>57<sup>3</sup></small>	<b>195112</b> <small>58<sup>3</sup></small>	<b>205379</b> <small>59<sup>3</sup></small>
<b>64000</b> <small>40<sup>3</sup></small>	<b>68921</b> <small>41<sup>3</sup></small>	<b>74088</b> <small>42<sup>3</sup></small>	<b>79507</b> <small>43<sup>3</sup></small>	<b>85184</b> <small>44<sup>3</sup></small>	<b>91125</b> <small>45<sup>3</sup></small>	<b>97336</b> <small>46<sup>3</sup></small>	<b>103823</b> <small>47<sup>3</sup></small>	<b>110592</b> <small>48<sup>3</sup></small>	<b>117649</b> <small>49<sup>3</sup></small>
<b>27000</b> <small>30<sup>3</sup></small>	<b>29791</b> <small>31<sup>3</sup></small>	<b>32768</b> <small>32<sup>3</sup></small>	<b>35937</b> <small>33<sup>3</sup></small>	<b>39304</b> <small>34<sup>3</sup></small>	<b>42875</b> <small>35<sup>3</sup></small>	<b>46656</b> <small>36<sup>3</sup></small>	<b>50653</b> <small>37<sup>3</sup></small>	<b>54872</b> <small>38<sup>3</sup></small>	<b>59319</b> <small>39<sup>3</sup></small>
<b>8000</b> <small>20<sup>3</sup></small>	<b>9261</b> <small>21<sup>3</sup></small>	<b>10648</b> <small>22<sup>3</sup></small>	<b>12167</b> <small>23<sup>3</sup></small>	<b>13824</b> <small>24<sup>3</sup></small>	<b>15625</b> <small>25<sup>3</sup></small>	<b>17576</b> <small>26<sup>3</sup></small>	<b>19683</b> <small>27<sup>3</sup></small>	<b>21952</b> <small>28<sup>3</sup></small>	<b>24389</b> <small>29<sup>3</sup></small>
<b>1000</b> <small>10<sup>3</sup></small>	<b>1331</b> <small>11<sup>3</sup></small>	<b>1728</b> <small>12<sup>3</sup></small>	<b>2197</b> <small>13<sup>3</sup></small>	<b>2744</b> <small>14<sup>3</sup></small>	<b>3375</b> <small>15<sup>3</sup></small>	<b>4096</b> <small>16<sup>3</sup></small>	<b>4913</b> <small>17<sup>3</sup></small>	<b>5832</b> <small>18<sup>3</sup></small>	<b>6859</b> <small>19<sup>3</sup></small>
<b>x<sup>3</sup></b> <small>cubes</small>	<b>1</b> <small>1<sup>3</sup></small>	<b>8</b> <small>2<sup>3</sup></small>	<b>27</b> <small>3<sup>3</sup></small>	<b>64</b> <small>4<sup>3</sup></small>	<b>125</b> <small>5<sup>3</sup></small>	<b>216</b> <small>6<sup>3</sup></small>	<b>343</b> <small>7<sup>3</sup></small>	<b>512</b> <small>8<sup>3</sup></small>	<b>729</b> <small>9<sup>3</sup></small>