| | 1 second | 1 minute | 1 hour | 1 day | 1 month | 1 year | 1 century |
|---|---|---|---|---|---|---|---|
| lg n | $2^{1000000}$ | $2^{60000000}$ | $2^{3600000000}$ | $2^{86400000000}$ | $2^{2592000000000}$ | $2^{31540000000000}$ | $2^{3154000000000000}$ |
| $\sqrt{n}$ | 1000000,000,000 | ≈3.6x$10^{15}$ | ≈1.3x$10^{19}$ | ≈7.5x$10^{21}$ | ≈6.7x$10^{24}$ | ≈9.5x$10^{26}$ | ≈9.9x$10^{30}$ |
| n | 1,000,000 | 60,000,000 | 3,600,000,000 | 86,400,000,000 | 2592000,000,000 | 31536000000000 | 3153600000000000 |
| n lg n | 63,000 | 2,800,000 | 130,000,000 | 2,755,150,000 | 71,870,900,000 | 797,634,000,000 | 6,811,000,000,000 |
| $n^2$ | $\sqrt{n}$=1,000 | $\sqrt{60m}$=7745 | $\sqrt{}$3.6b=60000 | $\sqrt{}$86.4b=293,938 | $\sqrt{}$2.592t=1,609,968 | $\sqrt{}$≈31t=5,615,692 | $\sqrt{}$≈31?=56,156,922 |
| $n^3$ | $n^{1/3}$≈99 | 60$m^{1/3}$≈391 | 3.6$b^{1/3}$≈1532 | 86.4$b^{1/3}$≈4420 | 2.592$t^{1/3}$≈13736 | 31.536$t^{1/3}$≈31593 | 3,1536?$^{1/3}$≈146645 |
| $2^n$ | $\log_2$(1,000,000) | $\text{Log}_2$(60m)=25 | $\text{Log}_2$(3.6b)=31 | $\text{Log}_2$(86.4b)=36 | $\text{Log}_2$(2.592t)=41 | $\text{Log}_2$(31.536t)=44 | $\text{Log}_2$(3.1536?)=51 |
| n! | **9** | **11** | **12** | **14** | **15** | **16** | **17** |