Operations per Time Period:

If each operation takes 1 millisecond, then there are 1,000 operations per second.

1. 1 second = 10^3 operations
2. 1 minute = $60 \times 10^3 = 6 \times 10^4$ operations
3. 1 hour = $3{,}600 \times 10^3 = 3.6 \times 10^6$ operations
4. 1 day = $86{,}400 \times 10^3 = 8.64 \times 10^7$ operations
5. 1 month (approx. 30 days) = 2.592×10^9 operations
6. 1 year = 3.154×10^{10} operations
7. 1 decade = 3.154×10^{11} operations
8. 1 century = 3.154×10^{12} operations

Complexity	1 Second	1 Minute	1 Hour	1 Day	1 Month	1 Year	1 decade	1 century
N^(1/3)	10^9	2.16 x 10^11	4.66 x 10^15	6.5 x 10^18	1.74 x 10^23	3.17 x 10^27	3.2 x 10^31	3.2 x 10^36
N^(1/2)	10^6	3.6 x 10^9	1.9 x 10^12	7.4 x 10^15	1.6 x 10^18	5.6 x 10^19	5.6 x 10^21	5.6 x 10^23
N	10^3	6 x 10^4	3.6 x 10^6	8.64 x 10^7	2.6 x 10^9	3.2 x 10^10	3.2 x 10^11	3.2 x 10^12
N log N	140	1.4 x 10^4	2.2 x 10^5	4.3 x 10^6	9.3 x 10^7	1.6 x 10^9	1.5 x 10^10	1.5 x 10^11
N^2	31.6	245	1,897	9,300	5.1 x 10^4	1.8 x 10^5	5.6 x 10^5	1.8 x 10^6
N^2 log N	25	185	1,380	7,850	4.3 x 10^4	1.6 x 10^5	5.0 x 10^5	1.6 x 10^6
2^N	10	15	21	26	31	34	37	40
N!	6	9	11	13	15	16	17	18