

Common Units of Measure

Time

Seconds	Name	Abbreviation	Description
1	Second	Sec	1 second
$1/10^3$	Millisecond	msec	1 thousandth of a second
$1/10^6$	Microsecond	μ sec	1 millionth of a second
$1/10^9$	Nanosecond	nsec	1 billionth of a second
$1/10^{12}$	Picosecond	psec	1 trillionth of a second

Data

Quantity	Name	Abbreviation	Description
1	Bit	b	One binary value
1	Byte	B	Eight bits
10^3 or 2^{10}	Kilobit	Kb	One thousand bits or 1024 bits
10^3 or 2^{10}	Kilobyte	KB	One thousand bytes or 1024 bytes
10^6 or 2^{20}	Megabit	Mb	One million bits or 1,048,576 bits
10^6 or 2^{20}	Megabyte	MB	One million bytes or 1,048,576 bytes
10^9 or 2^{30}	Gigabit	Gb	One billion bits or 1,073,741,824 bits
10^9 or 2^{30}	Gigabyte	GB	One billion bytes or 1,073,741,824 bytes
10^{12} or 2^{40}	Terabit	Tb	One trillion bits or 1,099,511,627,776 bits
10^{12} or 2^{40}	Terabyte	TB	One trillion bytes or 1,099,511,627,776 bytes
10^{15} or 2^{50}	Petabit	Pb	One quadrillion bites or 1,125,899,906,842,624 bits
10^{15} or 2^{50}	Petabyte	PB	One quadrillion bytes or 1,125,899,906,842,624 bytes