

Base SI Units & Metric Prefixes

- 1) Mass = Grams (g)
- 2) Length = Meter (m)
- 3) Time = Second (s)
- 4) Temperature = Kelvin (K)
- 5) Amount of Substance = Mole (mol)
- 6) Electric Current = Ampere (A)
- 7) Luminous Intensity = Candela (cd)

Symbol	Prefix	Size	Meaning
T	Tera	10^{12}	One trillion times bigger
G	Giga	10^9	One billion times bigger
M	Mega	10^6	One million times bigger
K	Kilo	10^3	One thousand times bigger
H	Hecto	10^2	One hundred times bigger
D	Deca	10^1	Ten times bigger
Base Unit	Seconds, grams, meters, etc...	1	This is the Base Unit that ALL others relate to
d	Deci	10^{-1}	Ten time smaller
c	Centi	10^{-2}	One hundred times smaller
m	Milli	10^{-3}	One thousand times smaller
μ	Micro	10^{-6}	One million times smaller
n	Nano	10^{-9}	One billion times smaller
p	Pico	10^{-12}	One trillion times smaller