

10^{-2}	Centi	c
10^{-3}	milli	m
10^{-6}	micro	μ
10^{-9}	nano	n
10^{-12}	pico	p

* Dimensional Analysis :-

ex: Let $D = \alpha t$

$[D] = m$, $[t] = s$, Find $[\alpha] ??$

$[D] = [\alpha t] = m$

$[\alpha] [t] = m \Rightarrow [\alpha] s = m$

$[\alpha] = m/s$

ex: $V = V_0 + \beta t$

$[V] = m/s$, $[V_0] = m/s$, $[t] = s$

Find $[\beta] ??$

$[V] = [V_0] + [\beta t]$
 $m/s = m/s + \underbrace{[\beta t]}_{m/s}$
 $\Rightarrow [\beta] s = m/s$
 $[\beta] = m/s^2$