

Density:

$\frac{\text{mass}}{\text{Volume}}$



$$D = \frac{m}{V} \quad m = D \cdot V \quad V = \frac{m}{D}$$

mass = grams, kilograms, milligrams
g kg mg

Volume = milliliters, liters, cm^3 , m^3 , dm^3
(l x w x h)

$$1 \text{ ml} = 1 \text{ cm}^3$$

$$D_{\text{H}_2\text{O}} = 1 \text{ g/ml or } 1 \text{ g/cm}^3$$

Metric System (SI)

Giga	G	goodness	1 Giga = 1000 000 000 base
Mega	M	me	1 Mega = 1 000 000 base
Kilo	k	king	1 Kilo = 1000 base
Hecto(a)	h	Henny	1 Hecto = 100 base
Deka	da	died	1 Deka = 10 base
Base	m, l, g, sec, acres	by	1 unit (meter, liter, gram, seconds, acres - ...)
Deci	d	drinking	1 base = 10 deci
Centi	c	chocolate	1 base = 100 centi
Milli	m	milk	1 base = 1000 milli
Micro	μ	monday	1 base = 1000 000 micro
nano	n	night	1 base = 1000 000 000 nano