

<u>Measurement</u>	<u>Base Unit</u>	<u>Tools</u>
length (l)	meter (m)	ruler
mass (m)	grams (g)	triple beam balance
volume (v)	Liter (L) cm <sup>3</sup>	water displacement graduated cylinder math equations

## Volume of a Rectangular Prism

$$l \times w \times h = v$$

units:  $\text{cm}^3$

## Water Displacement

A method used to find the volume of solid objects

$$V_f - V_i = V_{\text{obj}}$$

units: mL

$V_i$  initial volume

$V_f$  final volume

$V_{\text{obj}}$  object volume

## Relationships

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

$\text{H}_2\text{O ONLY: } 1\text{mL} = 1\text{cm}^3 = 1\text{g}$