

Derived Units

Def:

• math is involved and is reflected in units

ex: $\frac{\text{lb}}{\text{in}^2}$, cm^2 , ft^3 , $\frac{\text{g}}{\text{mL}}$

ex:

Density = $\frac{\text{mass}}{\text{vol.}}$

$$D = \frac{M}{V}$$

If mass = 25.6 g, vol = 13 mL

$$D = \frac{25.6 \text{ g}}{13 \text{ mL}} = \boxed{2.0 \text{ g/mL}}$$

↑
sig figs and
table