Calculating Density

Density Formula

density

mass

$$\rho = \frac{m}{v}$$

volume

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m
mass

ρ
density

v
volume
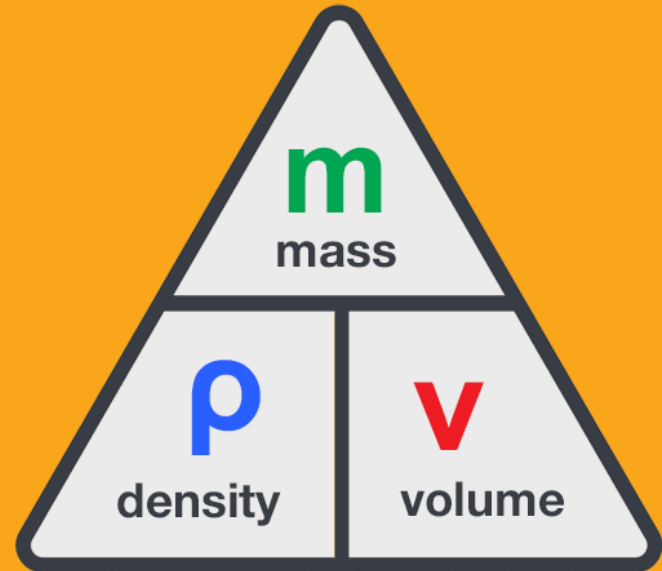
density = mass ÷ volume
mass = density × volume
volume = mass ÷ density
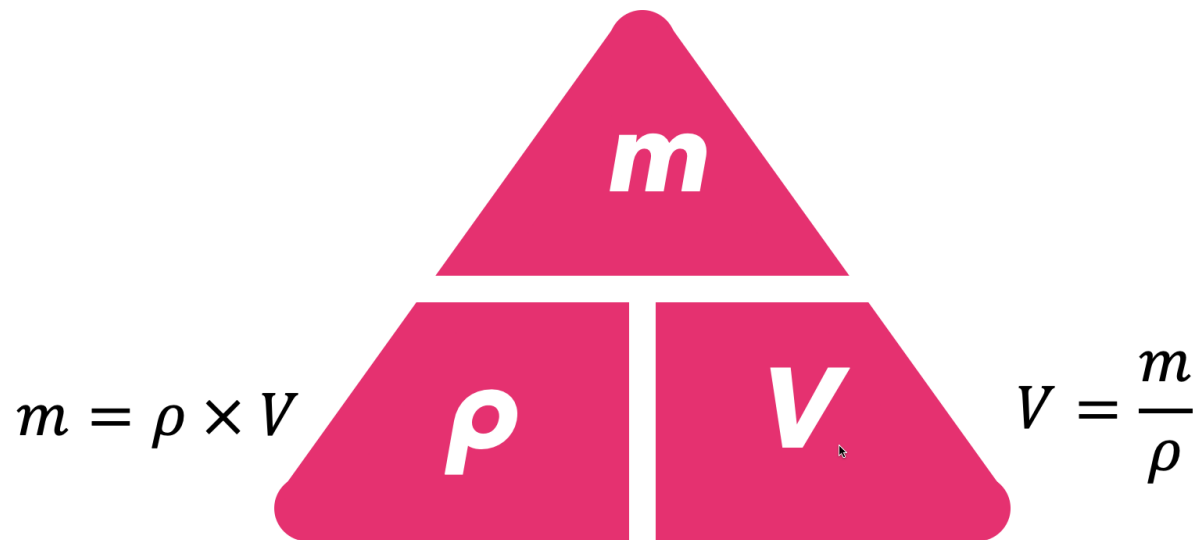
Solving with the Density Equation

Density

Denoted by the Greek letter **rho (ρ)**

Density describes the **mass (m)** present within a specified **volume (V)**

$$m = \rho \times V$$

$$V = \frac{m}{\rho}$$

Density

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

Mass from Density

$$m = D \cdot V$$

Volume from Density

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