

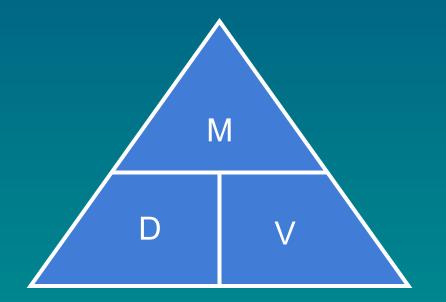
What is Density

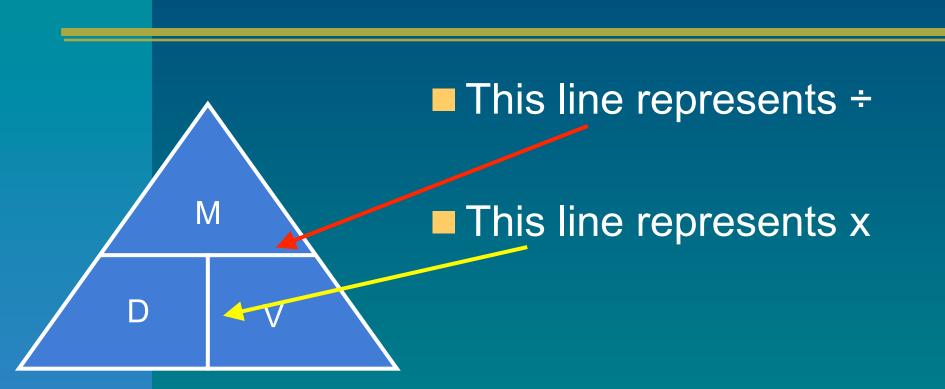
Density is a characteristic property of an object that describes the relationship between the object's mass and volume
 The formula to calculate density is:

Density = Mass + Volume

The Density Triangle of Science

To remember the formula for density use the density triangle:





Using the Density Triangle to Find ...

To find density: You need mass and volume - Write your formula starting with what you are looking for: |) = - Now read your triangle: D = M + V

Using the Density Triangle to Find ...

M

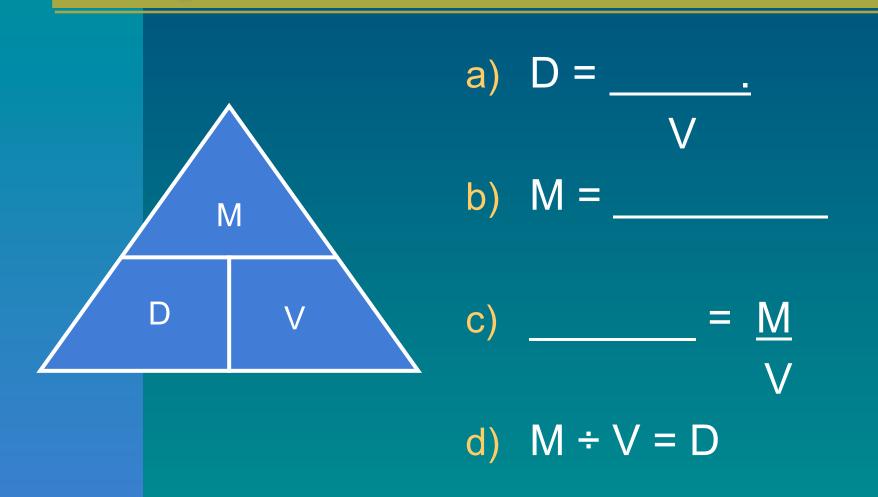
D

To find Mass: - You need density and volume - Write your formula starting with what you are looking for: M =- Now read your triangle: $M = D \times V$

Using the Density Triangle to Find ...

To find Volume: You need density and mass - Write your formula starting with what you are looking for: V =- Now read your triangle: V = M + D

Complete the Formula



Units for Density

The units depend on the units for the mass and volume
Example: Mass = grams, Volume = Litres
Density = grams ÷ litres

= g/L

Density How-To

Density of Water = 1g/ml

| | Regular | Irregular | Liquid | Unit |
|---------|---------|-----------|--------|------|
| Mass | | | | |
| Volume | | | | |
| Density | | | | |

Mass and Volume

Mass:

Volume:

Amount of matter an object has Amount of space an object takes up