

Density

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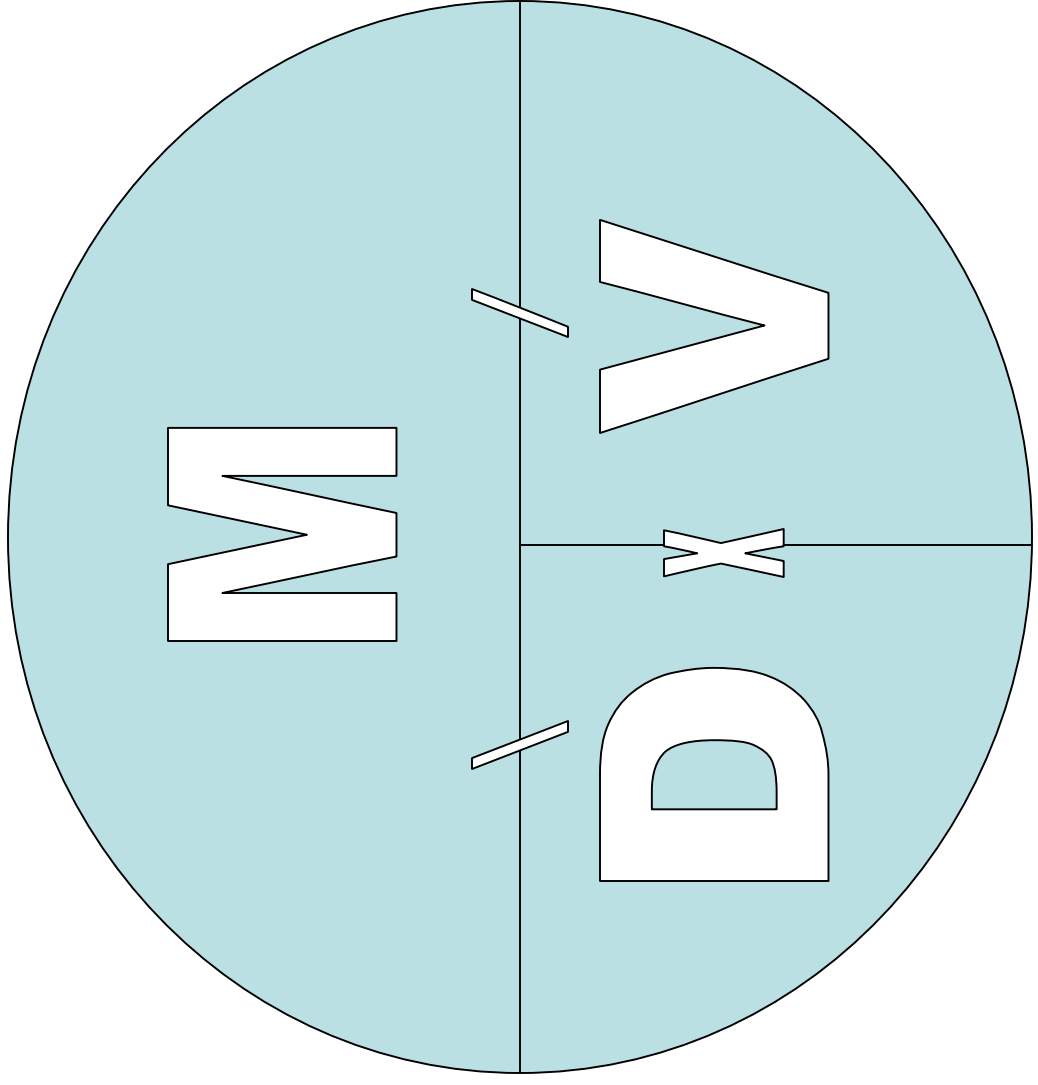
Is the ratio of the mass of an object or material.

The concentration of matter.

Density = mass/volume

$$D = m/v$$

The Density Wheel



Practice Problems

1. Mass: 15g, Volume 25 ml= .60 g/ml
2. Mass: 34g, Volume 84 ml = .40 g/ml
3. Mass: 43.5g, Volume 41ml= 1.06 g/ml
4. Density 4.5g/ml, Mass 220g= 48.89 ml
5. Density 11 g/ml, Volume 2ml= 22 g
6. Density 15 g/ml, Volume 10ml= 150 g
7. Density 16 g/ml, Mass 29 g= 1.81 ml
8. Mass 45g, Volume 56 ml = .80 g/ml