

## Density Practice

$$\text{Density } (d) = \frac{\text{Mass } (m)}{\text{Volume } (V)}$$

1. Draw the density formula in a triangle
2. What is the density of 8g of sugar in 125mL of water?
3. Calculate the density of 53kg of Copper (II) Sulphate in 1550L of water
4. Calculate the density of a pool ball with a mass of 170grams, occupying 98 cubic centimeters
5. A bar of gold is 17.78cm long, 9.21cm wide, and 4.45cm tall. Calculate its volume by using  $V = l \times w \times h$  to the nearest one hundredth of a cubic centimeter.
6. If the bar of gold listed above has a density of 19.3 g/cc, what is the mass of the gold?
7. The density of gasoline is 0.75kg/L. What is the volume of 200kg of gasoline?