Topic:Measurement and Constructing GraphsAim:Calculating and Understanding Density

 What is the definition of density? 	Density – the amount of mass in a g Units: g/cm ³ or g/mL (how packed the molecules are in a	given volume a substance – more packed = more dense)
 2. How is the density formula used? a. Density Formula: Density = mass / volume D = m / V d. Manipulating the Density Formul Example 1: The mass of a piece of oak is of to be 5g. If the density of oak i be .75 g/cm³, what would the v that piece of oak be? Example 2: The density of a chunk of iron in The chunk of iron was found to volume of 3mL. What would the that chunk of iron be? 	is 7.9 g/mL. b have a $P = 6.7 \text{ cm}^3$	solving for V – just divide 5 / .75 V = 6.7 cm ³ or use the density triangle
 How can the relative densities of different substances be compared without doing any calculation 	together, the more while the less dens	of two different densities are mixed dense substance sinks to the bottom se substance rises to the top.