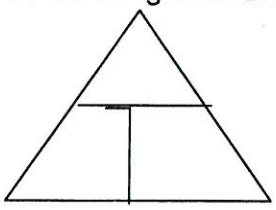
Name:_____
Blk:___Date:_____

Science 8
Notes: Density

_____ are forms of matter that can _____.
They consist of _____ and _____

_____ is defined as the amount of _____ (_____)
in a given_____ (_____)

Calculating DENSITY:



Units for mass:

Units for volume:
Liquids:
Solids:

Therefore, the density of a solid is written as:

While the density of a liquid is written as:

We read the above as either "grams per _____"
or "grams per _____"

Floating and Sinking:
We can compare the _____ of objects by looking at whether or not they will float or sink in water.

The density of water is:

A substance with a density that is _____ than this will_____ in water.
A substance with a density that is _____ than this will_____ in water.

Do worksheet on Density comparisons

Density Problems:

1. Calculate the density of 18 mL of a liquid that has a mass of 42 grams.

Step 1

Step 2

Step 3

2. a. A block that measures 5 cm by 4 cm by 2 cm has a mass of 100 grams. Calculate its density.

Step 1

Step 2

Step 3

b. If the density of mercury is 13.55 g/mL, will the above block float or sink in mercury? Explain your answer.

Do density problems worksheet.