

Practice Density Problems Easy

Density=Mass/Volume or Mass divided by volume

Step 1: Write the formula

Step 2: Substitute the mass and volume from the question in place of the m and v in the formula.

Step 3: Divide the numbers and the units.

Sample problem: A ping pong ball has a mass of 2g and a volume of 10cc. What is its density?

$D=M/V$ (formula)

$D=2g/10cc$ (substitute)

$D=.2g/cc$ (divide)

1. A brick has a volume of 1000cc and a mass of 2500g. What is its density? Will it sink or float? Why?
2. A sample of liquid has a mass of 15g and a volume of 20ml. What is its density?
3. A gas has a volume of 10 cubic meters and a mass of 1kg. What is its density?
4. An object has a mass of 100g and a volume of 20cc. What is its density?