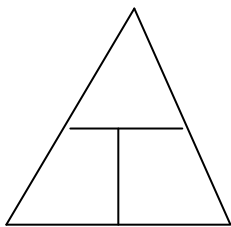


Number _____

Name _____

Hour _____ Date _____

Density Worksheet - Triangle



1. First fill out the triangle for density and then write out the formula for each part above.
2. Show your work below. Remember to show Looking for: and Givens: on the right side.
3. Show work on left side remembering formula, labeled work, labeled answer. Round to the thousandth place and use the unit for volume given in the problem (cm^3 or mL)

4. Remember to write the whole answer on the line Example: **$D = 5 \text{ g/cm}^3$**

1. $D =$ _____ Find the **density** of a substance whose volume is 5 cm^3 and whose mass is 25 g.

Looking for: D in g/cm^3

**Givens: $V = 5 \text{ cm}^3$
 $m = 25 \text{ g}$**

2. _____ Calculate the **mass** of a substance whose density is 0.2 g/cm^3 and whose volume is 45 cm^3 .

3. _____ Find the **volume** of a substance whose density is 4 g/cm^3 and mass is 4.1 g.

4. _____ Find the **mass** of a substance whose density is 8.1 g/cm^3 and volume is 2.95 cm^3 .

5. _____ Find the **volume** of a substance whose density is 1.93 g/cm^3 and mass is 31.3 g.

6. _____ Find the **density** of a substance whose volume is 45.2 mL and whose mass is 5 g.

7. _____ Calculate the **volume** of a substance whose density is 0.90 g/cm^3 and mass is 7.1g.

8. _____ Calculate the **mass** of a substance whose volume is 3.15 mL and density is 0.79 g/cm^3 .

9. _____ If a substance has a **volume** of 5.1 mL and a mass of 2.7 g, what is its density?

10. _____ If a container of a substance is 10 mL and its density is 0.26 g/cm^3 , what is its **mass**?