

Name _____ Date _____ Per ____ Seat# _____

Density Practice Problems

*Do the following density practice problems using the equations for density, mass, & volume. **Be sure to show all work and to use the correct units.***

$$1 \text{ mL} = 1 \text{ cm}^3$$

1) $D =$

2) $M =$

3) $V =$

4) A wooden block has a mass of 562 g and a volume of 72 cm^3 . What is the density?

Answer _____

5) A foam square has a mass of 62 g and a volume of 72 cm^3 . What is the density?

Answer _____

6) A brick has a mass of 562 g and a volume of 43 cm^3 . What is the density?

Answer _____

7) A bottle of water has a volume of 560 mL and a mass of 1250 g. What is the density?

Answer _____

8) A soda has a volume of 560 mL and a density of 3.2 g/mL. What is the mass?

Answer _____

9) A wooden block has a volume of 176 cm³ and a density of 18.2 g/ cm³. What is the mass?

Answer _____

10) A soda has a mass of 1500 g and a density of 2.9 g/mL. What is the volume?

Answer _____

11) A wooden block has a mass of 986 g and a density of 16 g/ cm³. What is the volume?

Answer _____