

Name: _____

Science Period: _____

Helpful Equations:

$$D = \frac{M}{V}$$

$$V = L \times W \times H$$

$$\text{Volume after} - \text{volume before}$$

1. There is an object with a height of 24 cm, a width of 15 cm and length of 3 cm. What is the volume?

2. There is a graduated cylinder with a volume of 45 mL. You drop an object into the cylinder to find its volume. The volume raises to 68 mL. What is the volume of the object?

3. You have measure a cube have a mass of 15 grams. Each side of the cube is 10 cm³. What is the density of this cube?

4. You find a rectangle at the Roll-A-Way. It has a height of 3 cm. A length of 6 cm. A width of 3 cm. You measured the mass to be 270 grams. What is the density?

5. You read in a book that the density of Gold is 19.32 g/cm^3 . You found a pure gold cube on the sidewalk (lucky you) on your way home from school. Its volume is 36 cm^3 . What is the mass?

6. SCIENCE REVIEW!

a. What do you use to measure mass? _____

b. What do you use to measure weight? _____

c. What unit do you put on density measurements? _____