

$r = \text{radius}, \frac{1}{2} \text{ diameter}$   
 $\pi = 3.14$

Name \_\_\_\_\_

### Volume of Regular Objects Practice Problems

Show all work and use the correct units!

1. A Kleenex box has the following dimensions: Length – 25 cm., width – 13 cm, height – 12 cm. Its mass is 320 grams. What is that object's volume and density?

$$L \times w \times h$$

2. A Pringle can has the following dimensions: diameter – 9 cm, height – 25 cm. It weighs 55 grams. What is the volume and density of this object?

$$\pi \cdot r^2 \cdot h$$

3. A Toblerone candy bar (triangular prism) has the following dimensions: base 40 mm, height - 4 cm, length 15 cm. It weighs 150 grams. What is the volume and density of the candy bar?

$$\frac{1}{2} \text{ base} \times \text{height} \times \text{length}$$

4. Write the objects in order from the least to the most dense.