

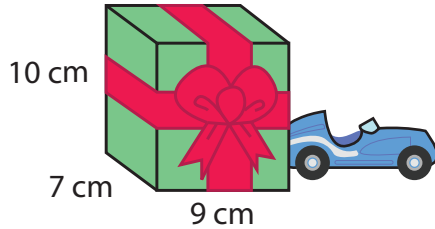
Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Christmas Calculations: Volume

**Volume** is the measure of space inside of a solid object.

You can measure the volume of the Christmas presents in **cubic units (in<sup>3</sup>, cm<sup>3</sup>, ft<sup>3</sup>)**.



This could be a small toy car or earrings!

To find the volume multiply the length (**l**) by the width (**w**) by the height (**h**).


$$l \times w \times h = \text{Volume (V)}$$


$$9 \text{ cm} \times 7 \text{ cm} \times 10 \text{ cm} = \text{Volume (V)}$$

$$630 \text{ cm}^3 = \text{Volume (V)}$$

Think about some objects that might fit in a 630 cm<sup>3</sup> box.


**Directions:** Calculate the volume of each solid using the equation  $l \times w \times h = \text{volume}$ .

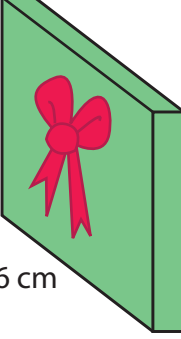
1.  \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = V  
\_\_\_\_\_ = Volume

2.  \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = V  
\_\_\_\_\_ = Volume

What would fit in this box? \_\_\_\_\_

What would fit in this box? \_\_\_\_\_

3.  \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = V  
\_\_\_\_\_ = Volume

4.  \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = V  
\_\_\_\_\_ = Volume

What would fit in this box? \_\_\_\_\_

What would fit in this box? \_\_\_\_\_