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

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

## Answers

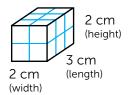
## What's the Formula?

The mathematical formula for volume is **length** x **width** x **height**.

The short version of this is V = l x w x h

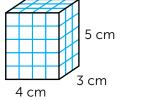
**Directions:** Write the missing values for the length, width, and height of each cube.

Example:



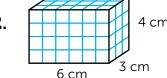
$$2 \text{ cm x } 3 \text{ cm x } 2 \text{ cm = } 12 \text{ cm}^3$$

1.



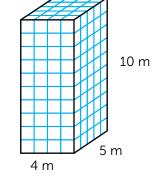
$$\frac{4}{\text{(length)}} \text{ cm x } \frac{3}{\text{(width)}} \text{ cm x } \frac{5}{\text{(height)}} \text{ cm} = 60 \text{ cm}^3$$

2



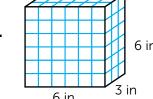
$$\frac{6}{\text{(length)}}$$
 cm x  $\frac{3}{\text{(width)}}$  cm x  $\frac{4}{\text{(height)}}$  cm = 72 cm<sup>3</sup>

3.



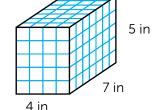
$$\frac{4}{\text{(length)}} \text{ m x } \frac{5}{\text{(width)}} \text{ m x } \frac{10}{\text{(height)}} \text{ m} = 200 \text{ m}^3$$

4.



$$\frac{6}{\text{(length)}} \text{ in } x \frac{3}{\text{(width)}} \text{ in } x \frac{6}{\text{(height)}} \text{ in } = 108 \text{ in}^3$$

5.



$$\frac{4}{\text{(length)}} \text{ in x } \frac{7}{\text{(width)}} \text{ in x } \frac{5}{\text{(height)}} \text{ in = 140 in}^3$$