

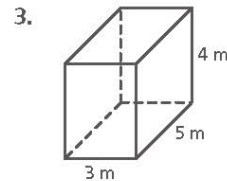
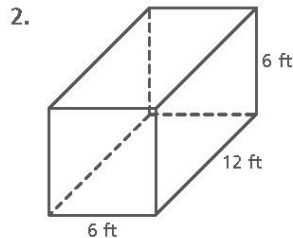
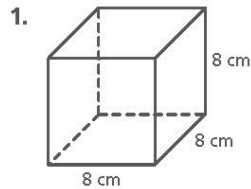
8-11

Name \_\_\_\_\_

Date \_\_\_\_\_

**Homework**

Write a numerical expression for the volume. Then calculate the volume.



Expression: \_\_\_\_\_

Expression: \_\_\_\_\_

Expression: \_\_\_\_\_

Volume: \_\_\_\_\_

Volume: \_\_\_\_\_

Volume: \_\_\_\_\_

Find the unknown dimension or volume of each rectangular prism.

4.  $V = \underline{\hspace{2cm}}$

$l = 4 \text{ cm}$

$w = 4 \text{ cm}$

$h = 11 \text{ cm}$

5.  $V = 168 \text{ cu yd}$

$l = \underline{\hspace{2cm}}$

$w = 7 \text{ yd}$

$h = 3 \text{ yd}$

6.  $V = 90 \text{ cu in.}$

$l = 9 \text{ in.}$

$w = \underline{\hspace{2cm}}$

$h = 5 \text{ in.}$

Write an equation. Then solve.

7. Pattie built a rectangular prism with cubes. The base of her prism has 12 centimeter cubes. If her prism was built with 108 centimeter cubes, how many layers does her prism have?

\_\_\_\_\_

8. Isabella cares for an aquarium that is 6 feet long and has a height of 4 feet. The aquarium needs 72 cubic feet of water to be completely filled. What is the width of the aquarium?

\_\_\_\_\_

9. Ray's aquarium is 20 inches long, 20 inches wide, and has a height of 15 inches. Randal's aquarium is 40 inches long, 12 inches wide, and has a height of 12 inches. Whose aquarium has a greater volume? By how much?

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