

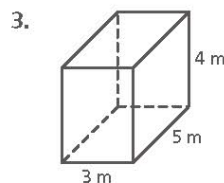
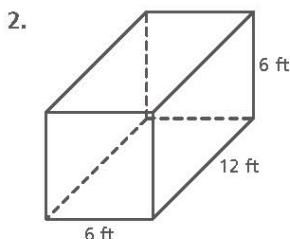
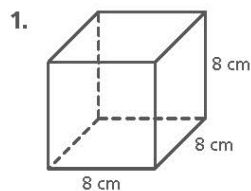
8-11

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

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

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

$l = 4 \text{ cm}$

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

$l = 9 \text{ in.}$

$w = 4 \text{ cm}$

$w = 7 \text{ yd}$

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

$h = 11 \text{ cm}$

$h = 3 \text{ yd}$

$h = 5 \text{ in.}$

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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