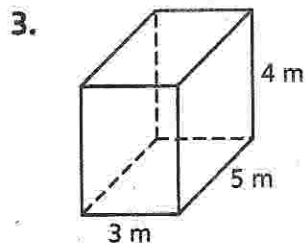
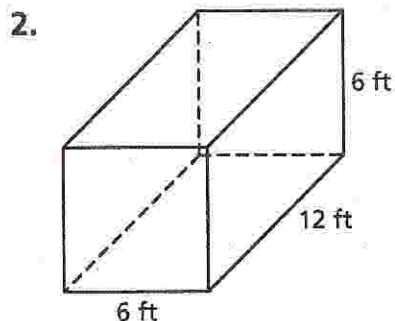
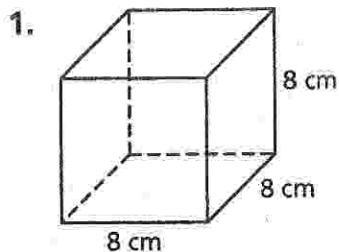


# Homework

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.  $V =$  \_\_\_\_\_

$l = 4$  cm

$w = 4$  cm

$h = 11$  cm

5.  $V = 168$  cu yd

$l =$  \_\_\_\_\_

$w = 7$  yd

$h = 3$  yd

6.  $V = 90$  cu in.

$l = 9$  in.

$w =$  \_\_\_\_\_

$h = 5$  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?

\_\_\_\_\_

# Remembering

Add or subtract.

1.  $0.45 + 0.77 =$  \_\_\_\_\_

2.  $0.4 + 0.08 =$  \_\_\_\_\_

3.  $6.9 - 3.44 =$  \_\_\_\_\_

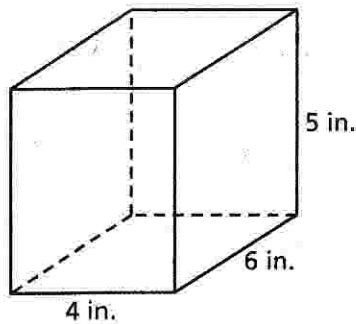
4.  $7 - 2.2 =$  \_\_\_\_\_

5.  $0.66 + 0.96 =$  \_\_\_\_\_

6.  $5.7 - 0.9 =$  \_\_\_\_\_

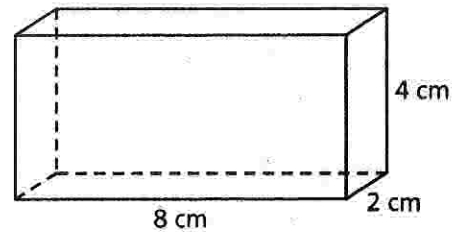
Find the volume.

7.



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

8.



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

9. **Stretch Your Thinking** Give the dimensions of a crate that could be used to ship 6 of the boxes below. Allow for some air space between the boxes so they can fit in the crate.

---



---

