

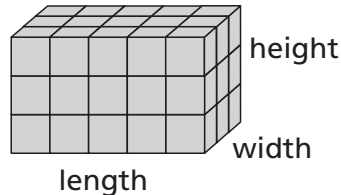
Name _____

Length, Width, and Height

Skill 59

Learn the Math

A rectangular prism has three dimensions: length, width, and height.



Vocabulary

cubic unit

rectangular prism

A cubic unit is a cube with length, width, and height equal to 1 unit.

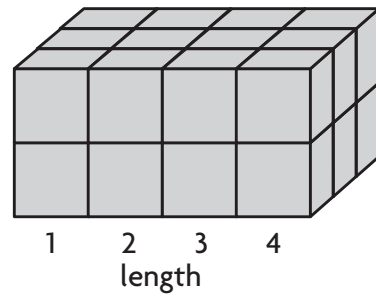


You can find length, width, and height of a rectangular prism by counting cubes.

Find the length of the model below.

Count the cubes: 1, 2, 3, 4.

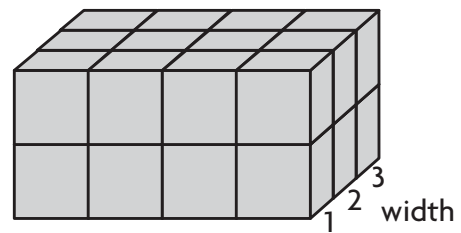
The length is _____ cubes.



Find the width of the model below.

Count the cubes: 1, 2, 3.

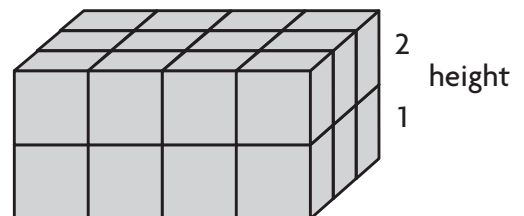
The width is _____ cubes.



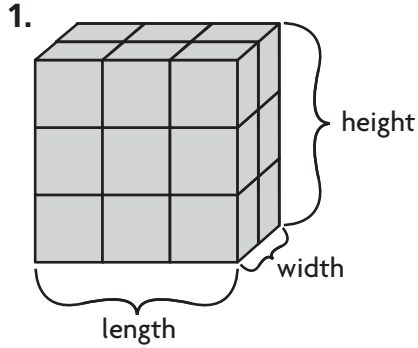
Find the height of the model below.

Count the cubes: 1, 2.

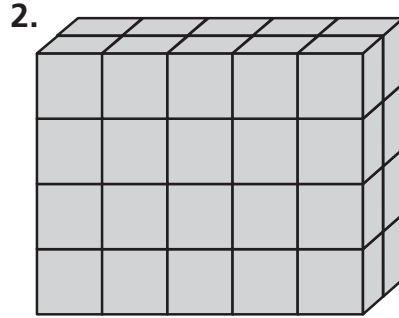
The height is _____ cubes.



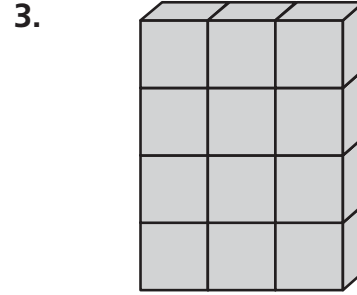
Find the length, width, and height of each model.



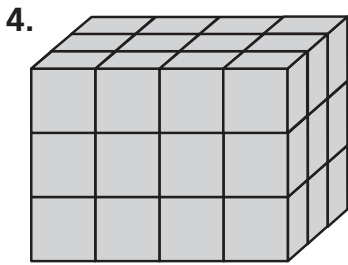
length = _____ cubes
width = _____ cubes
height = _____ cubes



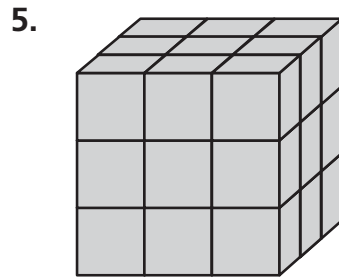
length = _____ cubes
width = _____ cubes
height = _____ cubes



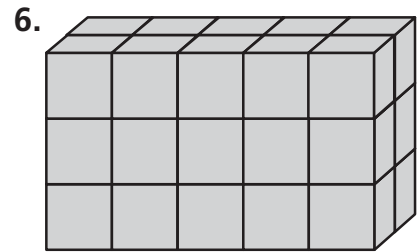
length = _____ cubes
width = _____ cubes
height = _____ cubes



length = _____ cubes
width = _____ cubes
height = _____ cubes



length = _____ cubes
width = _____ cubes
height = _____ cubes



length = _____ cubes
width = _____ cubes
height = _____ cubes

Check

7. How can you find the length, width, and height of a box that has 4 layers with 6 cubes in each layer?

Name _____

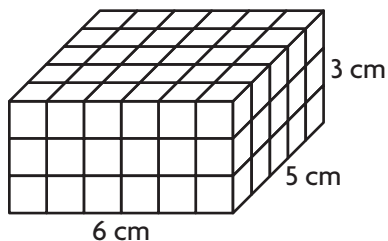
Volume of Rectangular Prisms



COMMON CORE STANDARD—5.MD.C.5a
Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

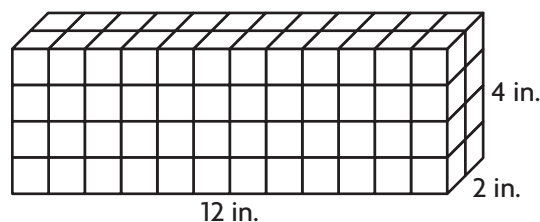
Find the volume.

1.



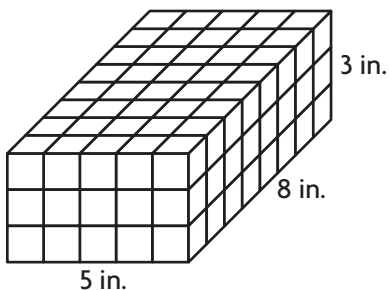
Volume: 90 cm³

2.



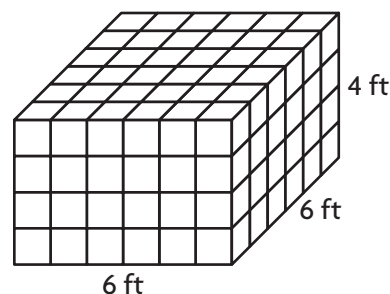
Volume: _____

3.



Volume: _____

4.



Volume: _____

Problem Solving



5. Aaron keeps his baseball cards in a cardboard box that is 12 inches long, 8 inches wide, and 3 inches high. What is the volume of this box?

6. Amanda's jewelry box is in the shape of a cube that has 6-inch edges. What is the volume of Amanda's jewelry box?

7. **WRITE** *Math* Write a word problem that involves finding the volume of a box. Draw the box, solve the problem, and explain how you found your answer.

