

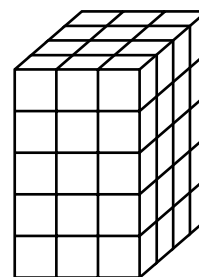
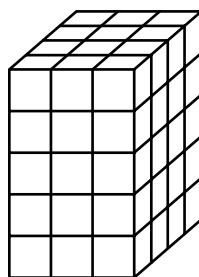
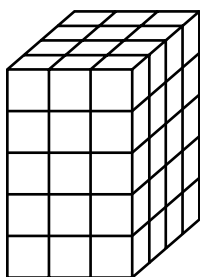


Name _____

Date _____

1. Use 24 cubes to create a right rectangular prism. Create a prism that is different from the one created in class.
 - a. Describe the layers in the right rectangular prism you created.
 - b. What is the volume of the prism? How do you know?

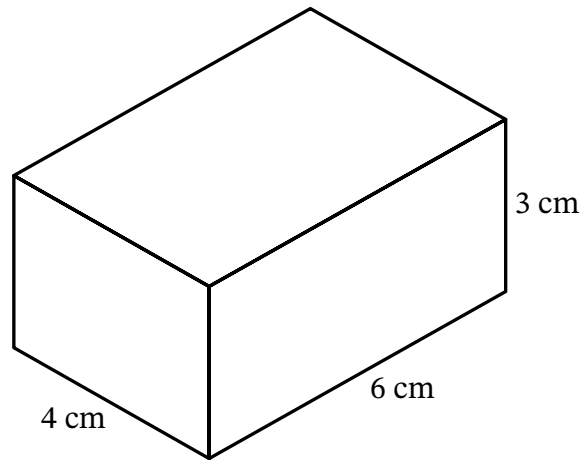
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2. The right rectangular prism shown is composed of centimeter cubes.
 - a. Draw lines on the prisms to show how to decompose the prism into layers in three different ways.



- b. Use your work from part (a) to complete the table.

Number of Layers	Number of Cubes in Each Layer	Volume (cubic centimeters)

3. The right rectangular prism shown is 4 centimeters wide, 6 centimeters long, and 3 centimeters tall.



- a. Draw lines to show how to decompose the prism into layers.
- b. Use the layers you created in part (a) to complete the following sentences.

The prism has _____ layers.

Each layer has _____ cubic centimeters.

The volume of this prism is _____ cubic centimeters.