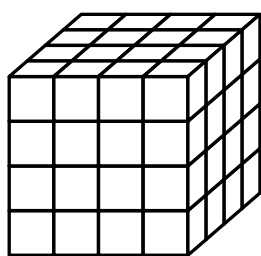
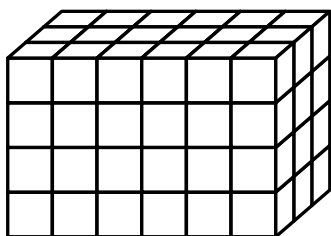
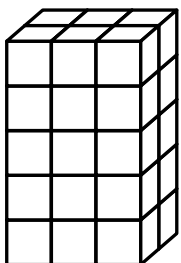
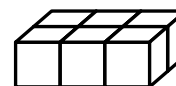
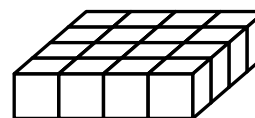
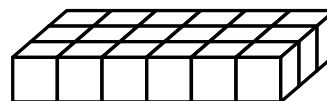




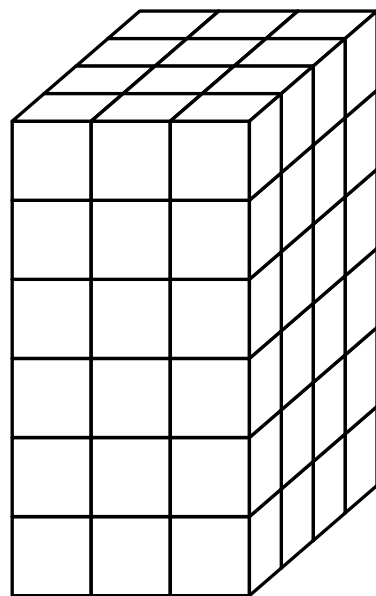
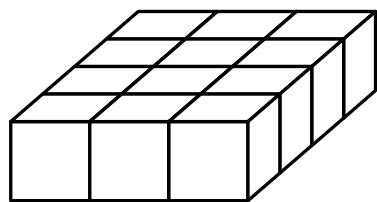
Name _____

Date _____

1. Draw a line to match each right rectangular prism with the picture of a horizontal layer of that prism.

Right Rectangular Prism**Horizontal Layer**

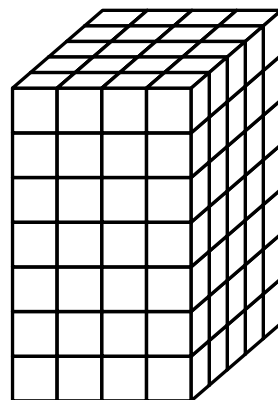
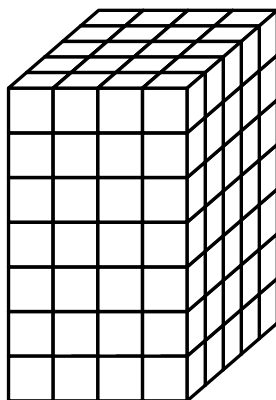
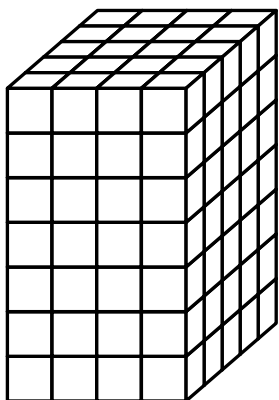
2. Use the picture of the horizontal layer and the right rectangular prism to complete the table.
Each cube represents 1 cubic unit.



Number of Layers	Number of Cubes in Each Layer	Volume (cubic units)
1		
6		

3. Three pictures of the same right rectangular prism are shown. Each cube represents 1 cubic centimeter.

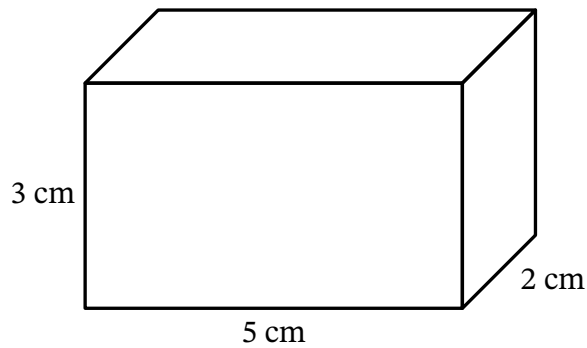
- a. Draw lines to decompose the prism into layers in three different ways.



- b. Use the different ways you decomposed the right rectangular prism in part (a) to complete the table.

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

4. The right rectangular prism shown is 2 centimeters wide, 5 centimeters long, and 3 centimeters tall. Use the prism to complete parts (a) and (b).



- a. Draw lines 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.