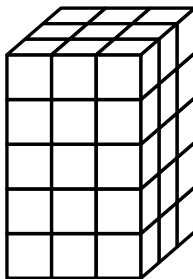Name _____ Date _____

The right rectangular prism shown is composed of centimeter cubes.

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.

There are _____ centimeter cubes in each layer.

The volume of the prism is _____ cubic centimeters.

c. How does decomposing a prism into layers help you find the volume?