



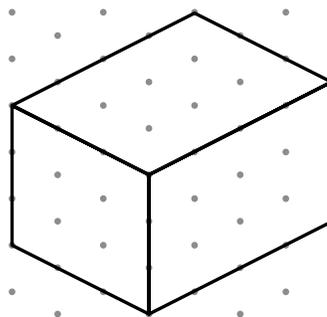
 Name _____

 Date _____

1. A right rectangular prism is 3 units long, 1 unit wide, and 1 unit tall.
 - a. Draw the prism.



- b. What is the volume of the prism?
 - c. Estimate how many prisms like the ones from part (a) it takes to build a right rectangular prism that is the same size as box 1.
 - d. Use right rectangular prisms that are 3 units long, 1 unit wide, and 1 unit tall to build a right rectangular prism that is the same size as box 1. Explain or draw lines on the right rectangular prism to show how you arranged the prisms.



- e. How many prisms did you use to build a right rectangular prism that is the same size as box 1?
- f. What is the volume of box 1? Explain.

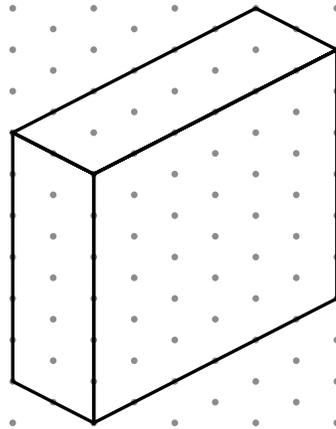
2. A right rectangular prism is 3 units long, 2 units wide, and 2 units tall.

- a. Draw the prism.



- b. What is the volume of the prism?
- c. Erase the interior lines that show individual cubes, leaving only the edges of the prism in part (a). Estimate how many prisms it takes to build a right rectangular prism that is the same size as box 2.

- d. Use right rectangular prisms that are 3 units long, 2 units wide, and 2 units tall to build a right rectangular prism that is the same size as box 2. Explain or draw lines on the right rectangular prism to show how you arranged the prisms.



- e. How many prisms did you use to build a right rectangular prism that is the same size as box 2?
- f. What is the volume of box 2? Explain.