

Name: \_\_\_\_\_

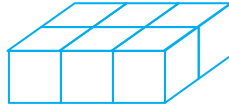
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## Answers

# Model Volume for Yourself!

**Directions:** Use sugar cubes, ice cubes or blocks to build each cube or rectangular prism. Then, count up the cubes and write down the volume.

**Example:** Build a figure with a length of 2 cubes, a width of 3 cubes, and a height of 1 cube.



The volume of the figure is  
6 units cubed.

1. Build a figure with a length of 1 cube, a width of 2 cubes, and a height of 4 cubes.

The volume of the figure is  
8 units cubed.

2. Build a figure with a length of 3 cubes, a width of 2 cubes, and a height of 2 cubes.

The volume of the figure is  
12 units cubed.

3. Build a figure with a length of 4 cubes, a width of 2 cubes, and a height of 1 cube.

The volume of the figure is  
8 units cubed.

4. Build a figure with a length of 5 cubes, a width of 3 cubes, and a height of 2 cubes.

The volume of the figure is  
30 units cubed.

5. Build a figure with a length of 2 cubes, a width of 1 cube, and a height of 5 cubes.

The volume of the figure is  
10 units cubed.