

Use your cubes to build the rectangular prisms. Add all your blocks together or Multiple the length times with and height

Volume = Length x Width x Height

$$V = L \times W \times H$$

### Build a Rectangular Prism

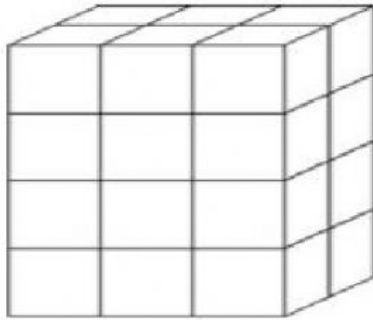
|    | Bottom Layer                           | Total Number of Layers | Volume (cubic units) |
|----|----------------------------------------|------------------------|----------------------|
| 1. | 3 rows of 2 cubes<br>Length      Width | Height<br>2            |                      |
| 2. | 6 rows of 2 cubes<br>Length      Width | Height<br>3            |                      |
| 3. | 2 rows of 4 cubes<br>Length      Width | Height<br>4            |                      |
| 4. | 3 rows of 4 cubes<br>Length      Width | Height<br>3            |                      |
| 5. | 2 rows of 5 cubes<br>Length      Width | Height<br>3            |                      |
| 6. | 3 rows of 3 cubes<br>Length      Width | Height<br>7            |                      |

I know that the volume of a figure tells me how many cubes of the same size it takes to fill that figure.



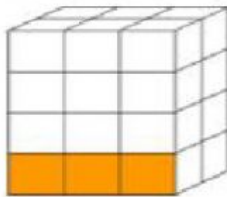
# VOLUME

the amount of space a solid object takes up



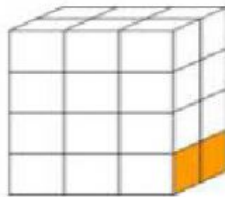
$$V = lwh$$

A = length x width x height



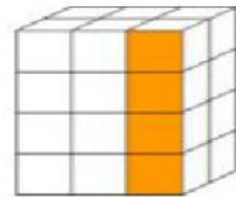
length

x



width

x



height

## Reminder

The answer to a volume problem is the measurement<sup>3</sup>