## Possible Solutions

Recall that Volume is the measure of what it takes to fill an object. That means that you have to count the number of cubes that cover the base for every row of cubes in the height.

## Rectangular Prism

There are two slightly different formulas for finding the volume of a rectangular prism. The formula that is most familiar is $V=/ \times w \times h$, where /represents the length, $w$ represents the width, and $h$ represents the height of the prism.


The other formula yields the same result, but uses a slightly different representation with cubes.


Cube
There are two slightly different formulas for finding the volume of a cube. The formula that is most familiar is $V$ $=s \times s \times s$, where $s$ represents the length of each side of the cube (all sides are the same length in a cube).

Model made with cubes


Model outline showing bases
$V=s \times s \times s$


The other formula yields the same result, but uses a slightly different representation with cubes.


