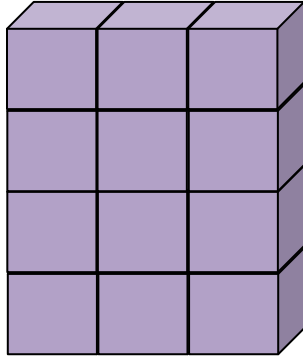


The Volume of Solid Figures - Step-by-Step Lesson

What is the volume of this object?



Explanation: Step 1) Understand what the problem is asking you to do. In this case they want to know the volume of the series of cubes above. Volume is the amount of space something (in this case, the cubes) takes up.

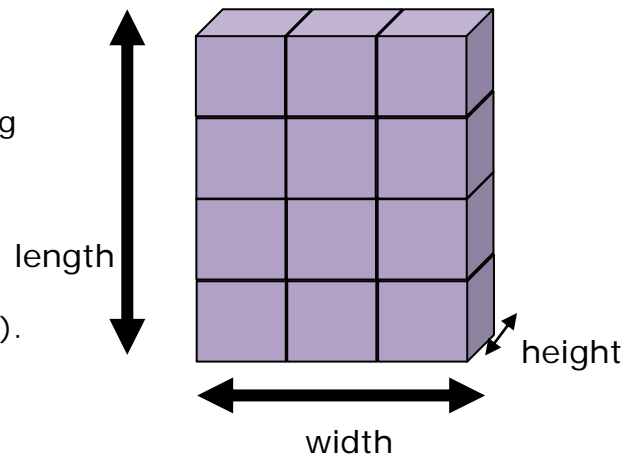
Step 2) When you are looking for the cubic volume of rectangular prisms, you would use this formula:

$$\text{length} \times \text{width} \times \text{height} = \text{volume}$$

We can find the **length** (longest side) by counting the number of cubes (up to down). That is 4.

The **width** is the number of cubes left to right (3).

The **height** is thickness of all the cubes. In this case it is 1.



Putting it all together we have:

4	x	3	x	1	=	12 cubic units
length		width		height		

