Name _____ Date _____

The Volume of Solid Figures - Guided Lesson Explanation

Explanation#1

Step 1) First see what is being asked. Here we have to choose 1 answer out of 4 options that describe the volume of the object. We need to remember the formula to use to determine the volume of a rectangular prism:

Volume of a rectangular prism = length x width x height

Step 2) Find the measure and calculate volume.

The longest side (length) has 8 cubes row.

The width and height are only 1 cube.

Volume of this cube = 8 x 1 x 1

= 8 cubic units

Therefore, the answer will be 'a'.

Explanation#2

Step 1) We're using the same formula again.

Volume of a rectangular prism = length x width x height

Now count the cubes. There are 2 rows (length) and each row has 2 cubes (width) each. The thickness or height is 1 cube.

Step 2) Now apply the formula:-

Volume of this cube = 2 x 2 x 1

= 4 cubic units

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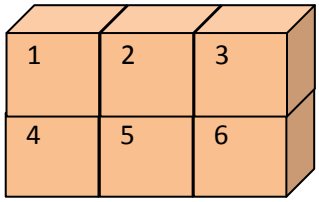
Explanation # 3

Step 1) We need to understand that the problems are not asking us to calculate the volume. We are just being asked how many units are present.

Step 2) So just count the number of cubes in the object.



1. The object has 9 cubic units. False

2. The object has 6 cubic units. True.