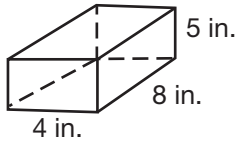
Name _____

Reteaching
18-3

Volume of Rectangular Prisms

Volume is the measure of space inside a solid figure. It is measured in cubic units. You can use a formula to find the volume of rectangular prisms: $V = B \times h$ where V stands for volume, B stands for the area of the base, and h stands for the height.

To find the volume of the rectangular prism at the right, first find the area of the base.



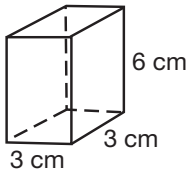
$B = \ell \times w$
$= 4 \times 8$
$= 32$ So the base is 32 sq in.

Then use the volume formula to find the volume.

$V = B \times h$
$= 32 \times 5$
$= 160$ So the volume is 160 sq in.

Find the volume of each rectangular prism. Don't forget to label the units.

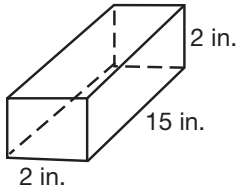
1.



Area of Base ($B = \ell \times w$): _____

Volume ($V = B \times h$): _____

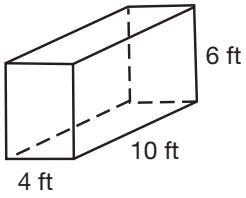
2.



Area of Base ($B = \ell \times w$): _____

Volume ($V = B \times h$): _____

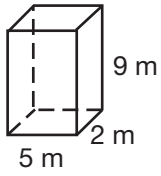
3.



Area of Base ($B = \ell \times w$): _____

Volume ($V = B \times h$): _____

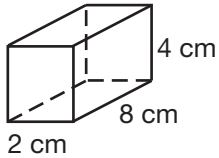
4.



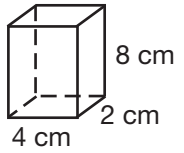
Area of Base ($B = \ell \times w$): _____

Volume ($V = B \times h$): _____

5. Find the volume of Rectangular Prism 1. How can you find the volume of Rectangular Prism 2 without using the volume formula?



Rectangular Prism 1



Rectangular Prism 2

_____

_____

_____

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