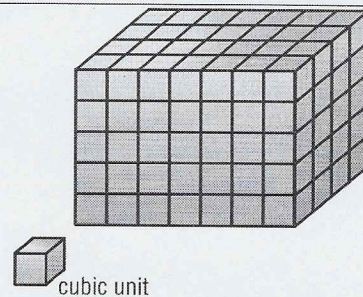


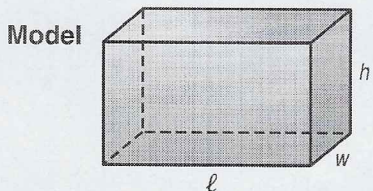
Lesson 1 Reteach

Volume of Rectangular Prisms

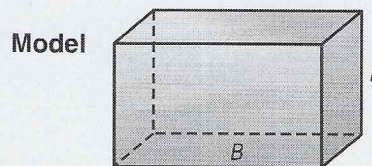
The amount of space inside a three-dimensional figure is the **volume** of the figure. Volume is measured in **cubic units**. This tells you the number of cubes of a given size it will take to fill the prism.



The volume V of a rectangular prism is the product of its length ℓ , width w , and height h .
Symbols $V = \ell wh$



You can also multiply the area of the base B by the height h to find the volume V .
Symbols $V = Bh$



Example

Find the volume of the rectangular prism.

Method 1 Use $V = \ell wh$.

$$V = \ell wh$$

$$V = 10 \times 5 \times 2$$

$$V = 100$$

The volume is 100 ft^3 .

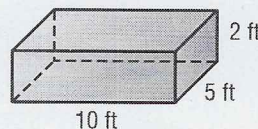
Method 2 Use $V = Bh$.

$$V = Bh$$

$$V = 50 \times 2$$

$$V = 100$$

The volume is 100 ft^3 .



Exercises

Find the volume of each prism.

