## 10-6 Volume of Rectangular Prisms

## Main Idea

Find the volume of rectangular prisms.

## Key Concept

Volume of a Rectangular Prism The volume $V$ of a rectangular prism is the product of its length $\ell$, width $w$, and height $h$.

FOLDABLES Be sure to write the formula for the volume of a rectangular prism, $V=B h$, in your Foldable.

## BUILD YOUR VOGABULARY (pages 241-242)

The bases of a rectangular prism are congruent

three-dimensional figure is the volume of the figure.
Volume is measured in cubic units.

## EXAMPLE Find the Volume of a Rectangular Prism

(1) Find the volume of the rectangular prism.

METHOD 1 Use $V=\ell w h$.
$V=\ell w h$


Volume of a rectangular prism

$\square$ Multiply.

METHOD 2 Use $V=B h$.
$B$, or the area of the base, is square meters.
$V=B h$

$V=\square$
$\square$ $\times$
 or $\square$

Volume of a rectangular prism


Multiply.
The volume is $\square$

## WRITE IT

In your own words, explain the difference between a twodimensional figure and a three-dimensional figure.
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Homework Assignment

Page(s):
Exercises:

