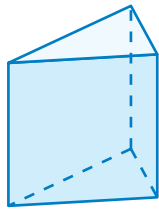


## Key Concept and Vocabulary



Area of base

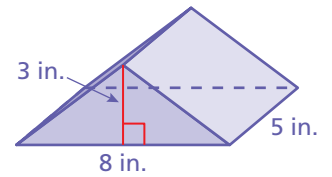
$$V = Bh$$

Volume

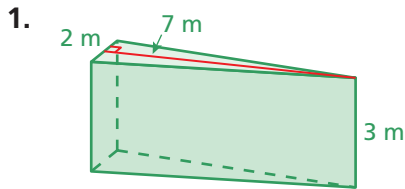


## Visual Model

$$\begin{aligned} V &= Bh \\ &= \frac{1}{2}(8)(3) \cdot 5 \\ &= 60 \text{ in.}^3 \end{aligned}$$



## Skill Example

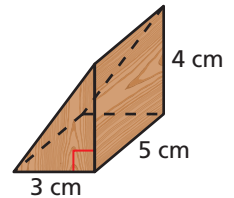


$$\begin{aligned} V &= \frac{1}{2}(2)(7) \cdot 3 \\ &= 21 \text{ m}^3 \end{aligned}$$

## Application Example

2. Find the volume of the block.

$$\begin{aligned} V &= Bh \\ &= \frac{1}{2}(3)(4) \cdot 5 \\ &= 30 \end{aligned}$$



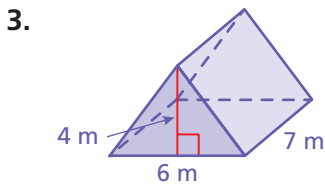
- ∴ The volume is 30 cubic centimeters.

## PRACTICE MAKES PURR-FECT®

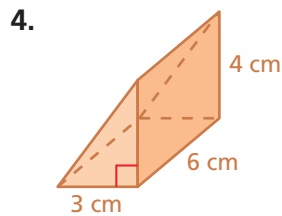


Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

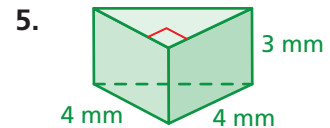
Find the volume of the triangular prism.



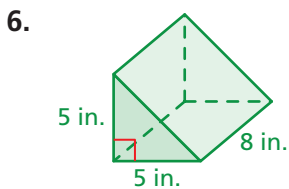
$V =$  \_\_\_\_\_



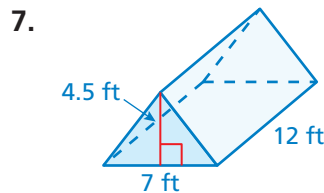
$V =$  \_\_\_\_\_



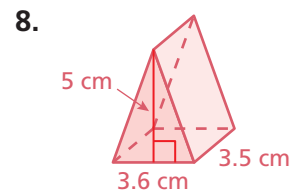
$V =$  \_\_\_\_\_



$V =$  \_\_\_\_\_



$V =$  \_\_\_\_\_



$V =$  \_\_\_\_\_

9. **CAMPING** What is the volume of the tent?

\_\_\_\_\_

