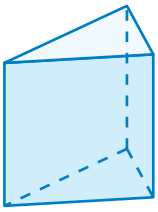
REVIEW: Volume of Triangular Prisms

Name _____

Key Concept and Vocabulary



Area of base

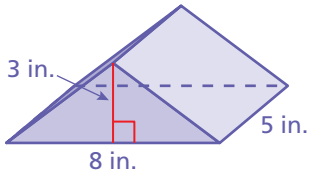
$V = Bh$

Visual Model

$V = Bh$

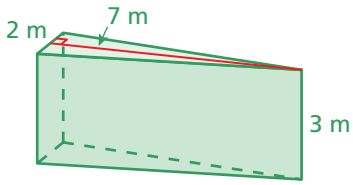
$= \frac{1}{2}(8)(3) \cdot 5$

$= 60 \text{ in.}^3$



Skill Example

1.



$V = \frac{1}{2}(2)(7) \cdot 3$

$= 21 \text{ m}^3$

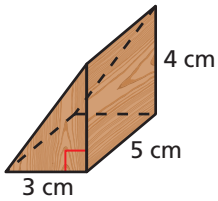
Application Example

2. Find the volume of the block.

$V = Bh$

$= \frac{1}{2}(3)(4) \cdot 5$

$= 30$



∴ The volume is 30 cubic centimeters.

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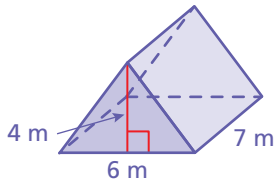
Check your answers at BigIdeasMath.com.

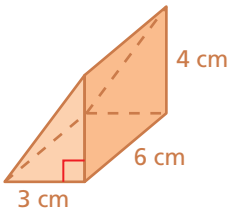
Find the volume of the triangular prism.

3.



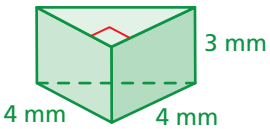
$V =$ 84 m^3

4.



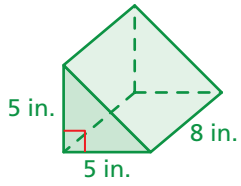
$V =$ 36 cm^3

5.



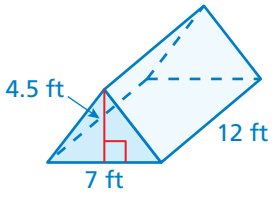
$V =$ 24 mm^3

6.



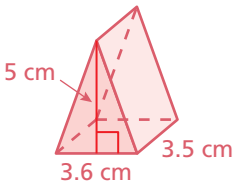
$V =$ 100 in.^3

7.



$V =$ 189 ft^3

8.



$V =$ 31.5 cm^3

9. CAMPING What is the volume of the tent?

80 ft^3