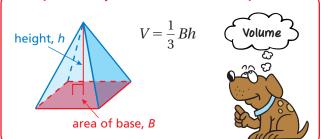
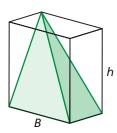
REVIEW: Volumes of Pyramids

Key Concept and Vocabulary

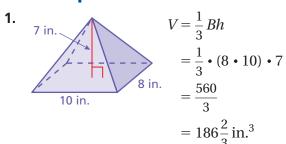


Visual Model

The volume of a pyramid is one-third the volume of the prism that has the same base and height.



Skill Example



Application Example

2. Find the volume of the square pyramid. $V = \frac{1}{3} \cdot \left(40^2\right) \cdot 30$ $= 16,000 \text{ m}^3$ 40 m

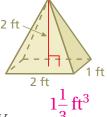
The volume is 16,000 cubic meters.

PRACTICE MAKES PURR-FECT

Check your answers at BigIdeasMath.com.

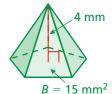
Find the volume of the pyramid.

3.

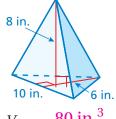


$$V = \frac{1\frac{1}{3} \, \text{ft}^3}{}$$

4.

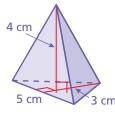


$$V = 20 \text{ mm}^3$$



$$V = 80 \text{ in.}^3$$

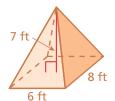
6.



$$V = 10 \text{ cm}^3$$

7.

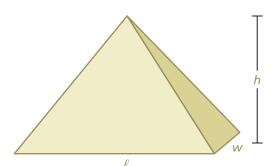
9. PYRAMID The pyramid has a volume of 2000 cubic feet. Find a set of possible dimensions for the pyramid.



$$V = 112 \text{ ft}^3$$



$$V = 700 \text{ mm}^3$$



$$w = \underline{5 \text{ ft}}$$
, $\ell = \underline{40 \text{ ft}}$, $h = \underline{30 \text{ ft}}$