

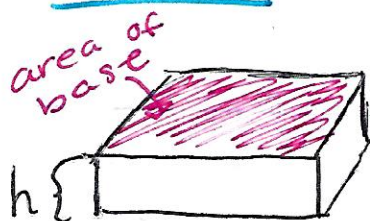
9.4 Volume of Prisms

EQ: How can you find the volume of a prism?

Volume: the measurable amount of space that a three-dimensional figure occupies.

* measured in cubic units *

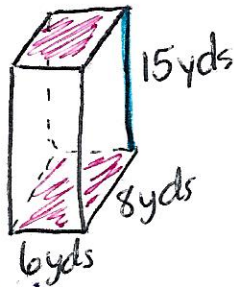
Formula: $V = B \cdot h$



area of the base



Example 1:



$$V = B \cdot h$$

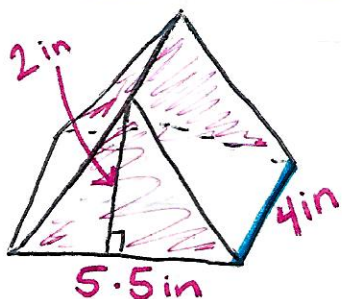
$$V = 8 \cdot 6 \cdot 15$$

$$V = 48 \cdot 15$$

$$V = 720 \text{ yd}^3$$

← cubic units

Example 2:



$$V = B \cdot h$$

$$V = \frac{5.5 \times 2}{2} \cdot 4$$

$$V = 5.5 \cdot 4$$

$$V = 22 \text{ in}^3$$