

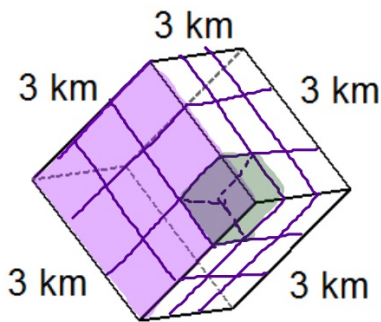
April 20, 2015 <sup>1st</sup>  
<sub>2nd</sub>  
Starter

$$\begin{aligned} A &= \frac{1}{2}(b_1 + b_2)h \\ &= \frac{1}{2}(1.1 + 3.9) 2.6 \\ &= \frac{1}{2}(5) 2.6 \\ &= (2.5)(2.6) \end{aligned}$$

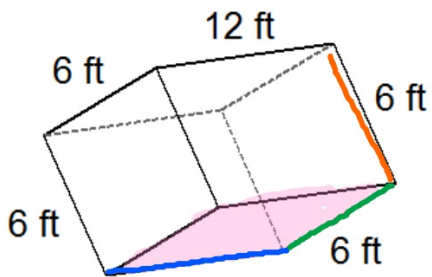
HandOfSean

## 4/20 - Volume of Prisms

Volume is *measure of the space inside a 3D figure*  
Counting cubes, label is cubed



$$V = 27 \text{ km}^3$$



Formula:

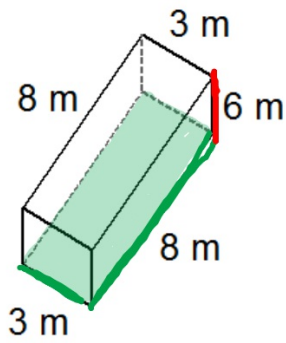
$$V = (\text{area of base}) \times \text{height}$$

*Rectangle*

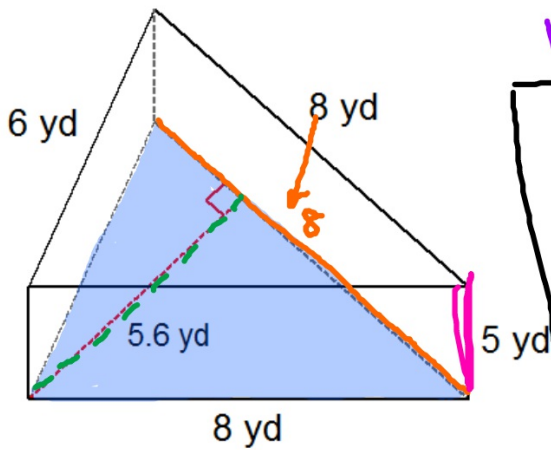
$$V = LWH$$

$$V = 12 \cdot 6 \cdot 6$$
$$= 432 \text{ ft}^3$$

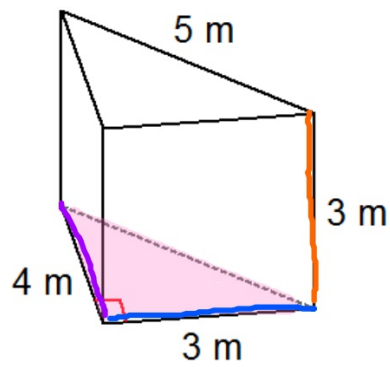
$$12 \times 6 \times 6 = 432$$



$$\begin{aligned} V &= LWH \\ &= 8 \cdot 3 \cdot 6 \\ &= 144 \text{ m}^3 \end{aligned}$$



$$\begin{aligned} V &= \text{area of base} \times \text{height of the prism} \\ V &= \frac{1}{2}bh \times H \\ &= \frac{1}{2} \cdot 8 \cdot (5.6) \cdot 5 \\ &= 112 \text{ yd}^3 \end{aligned}$$



$$\begin{aligned} V &= \frac{1}{2}bh \cdot H \\ &= \frac{1}{2} \cdot 3 \cdot 4 \cdot 3 \\ &= 18 \text{ m}^3 \end{aligned}$$

Homework

Due