

April 23, 2015<sup>5<sup>th</sup></sup>  
<sup>6<sup>th</sup></sup>

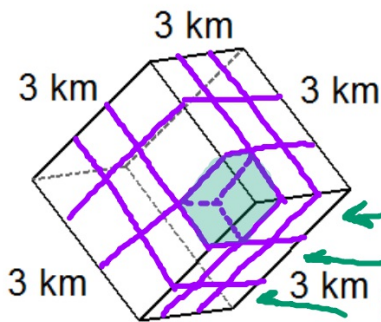
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Get out your  
homework

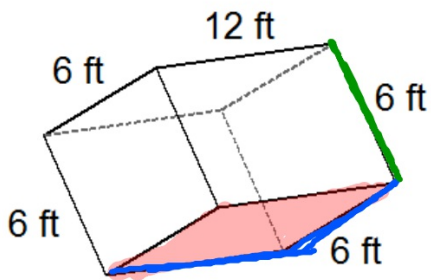
HandOfSean

## 4/23 - Volume of Prisms

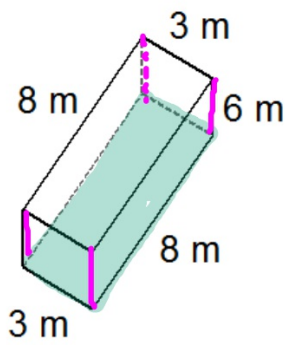
Volume is the measurement of the space inside a prism  
Label is always CUBED



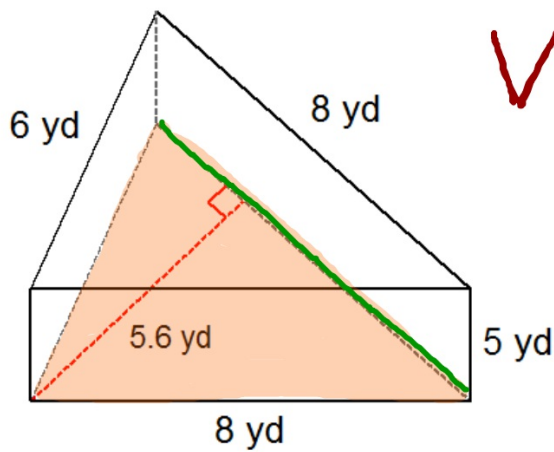
27 cubes  
27 km<sup>3</sup>



$$\begin{aligned} V &= (\text{Area of the Base}) \text{ Height of the prism} \\ &= (LW) H \\ &= 12 \cdot 6 \cdot 6 \\ &= 432 \text{ ft}^3 \end{aligned}$$

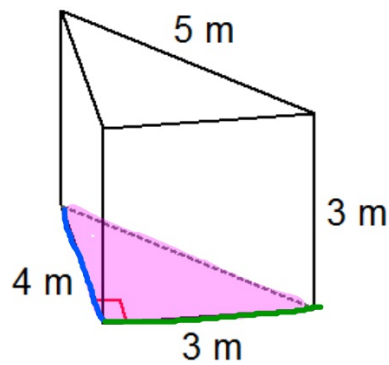


$$\begin{aligned} V &= \overset{\text{Area}}{\boxed{LW}} H \\ &= 8 \cdot 3 \cdot 6 \\ &= 144 \text{ m}^3 \end{aligned}$$



$$\begin{aligned} V &= (\text{Area of the base}) H \\ &= \frac{1}{2} b h H \\ &= \frac{1}{2} \cdot 8 \cdot (5.6) \cdot 5 \\ &= 112 \text{ yd}^3 \end{aligned}$$

$$0.5 \times 8 \times 5.6 \times 5 = 112$$



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

Label for volume is  
always CUBED

$$V = LWH$$

$$V = \frac{1}{2}bhH$$

# Homework

## Due