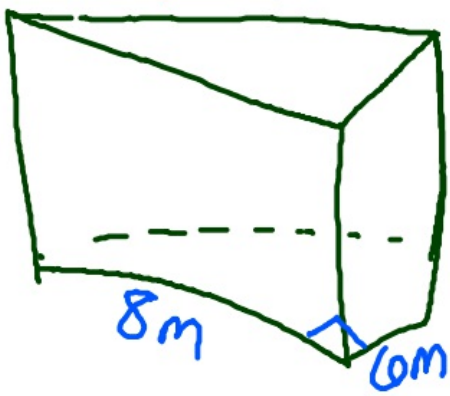
April 22, 2015 4th

$A = \pi r^2$

$A = 3.14(6^2)$

$A = 113\ mi^2$

11

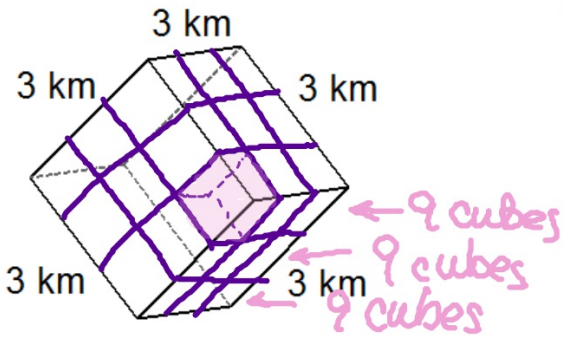


Base $8 \times 6 \times \frac{1}{2} = 24$

12

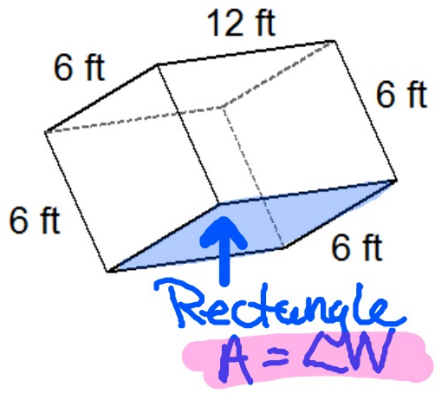
4/22 - Volume of Prisms

Volume is a measure of everything inside a 3D figure
You are counting cubes



$V = 27$ cubic km

$= 27\ km^3$

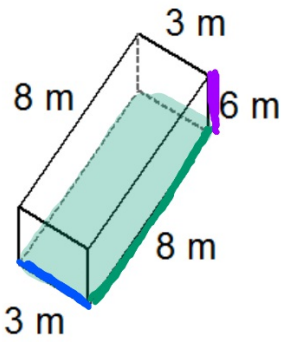


$V = (\text{area of the base}) \cdot H$

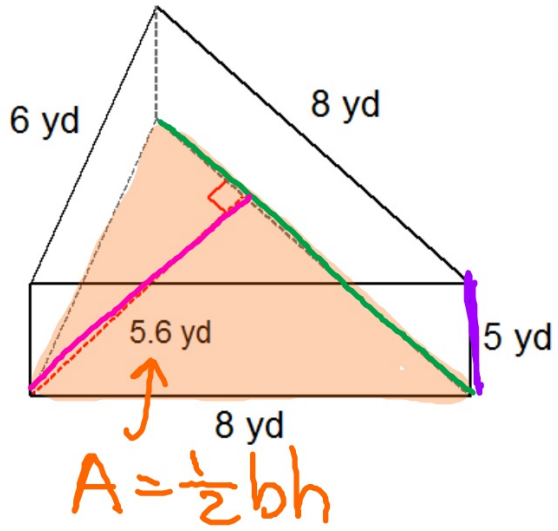
$V = LWH$

$V = 12 \cdot 6 \cdot 6$

$= 432 \text{ ft}^3$



$$V = LWH$$
$$V = 8 \cdot 3 \cdot 6$$
$$= 144 \text{ m}^3$$



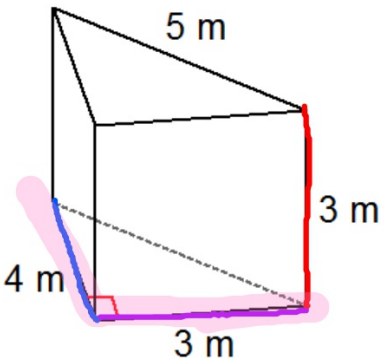
$A = \frac{1}{2}bh$

$V = (\text{area of } \triangle) \cdot H$

$= \left(\frac{1}{2}bh\right) H$

$= \frac{1}{2} \cdot 8 (5.6) 5$

$= 112 \text{ yd}^3$



$$V = (\text{area of } \triangle)\, H$$
$$= \frac{1}{2} b h H$$
$$= \frac{1}{2} \cdot 3 \cdot 4 \cdot 3$$
$$= 18\ m^3$$

Homework

Green WS 3

Due Thurs.