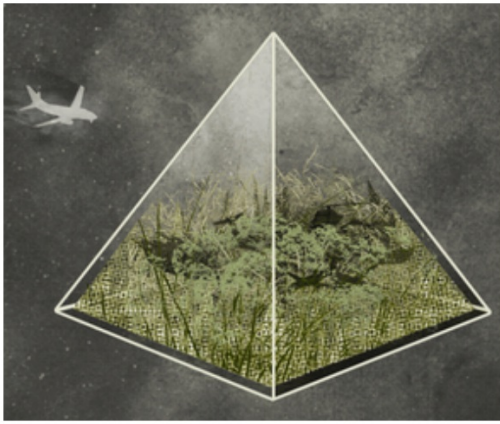


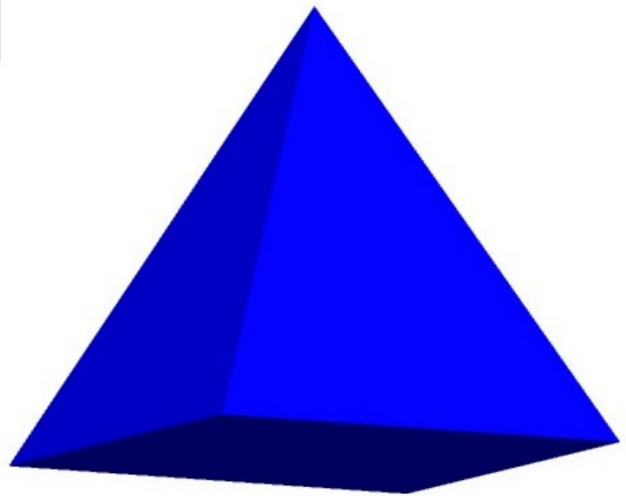
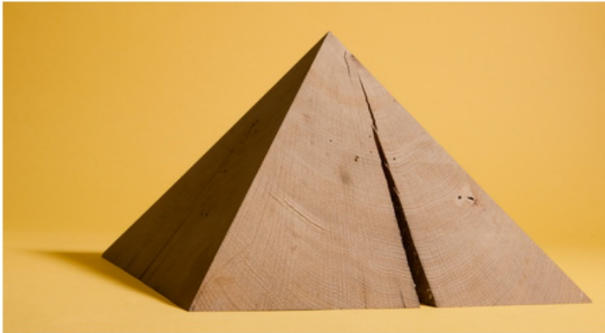
APRIL 23, 2015

HAPPY NEW ONE

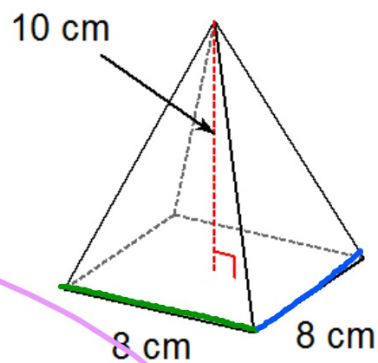
4/23 - Volume of Pyramids



$$V = \frac{1}{3} LWH$$
$$= \frac{LWH}{3}$$

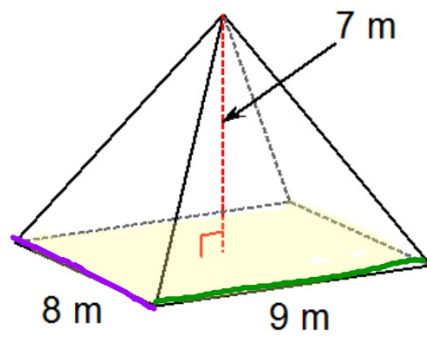


Volume
is always
CUBED

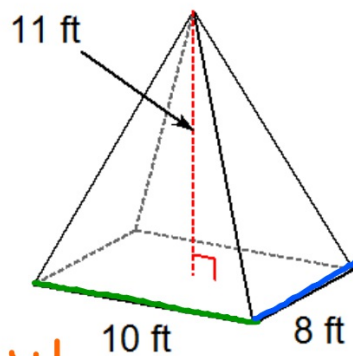


$$\begin{aligned} V &= \frac{1}{3} LWH \\ &= \frac{1}{3} \cdot 8 \cdot 8 \cdot 10 \\ &= 213.3 \text{ cm}^3 \end{aligned}$$

$$640 \div 3 = 213.333333$$



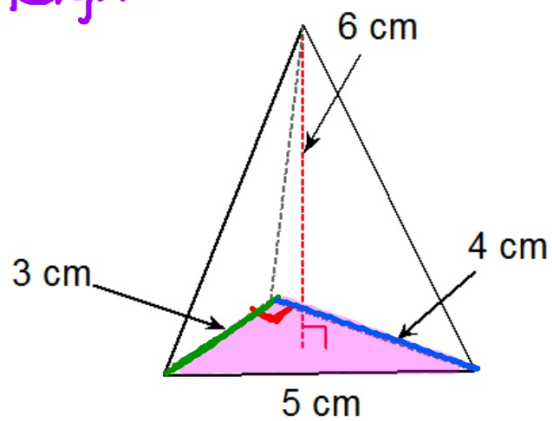
$$\begin{aligned} V &= \frac{1}{3} LWH \\ &= \frac{1}{3} \cdot 9 \cdot 8 \cdot 7 \\ &= 168 \text{ m}^3 \end{aligned}$$

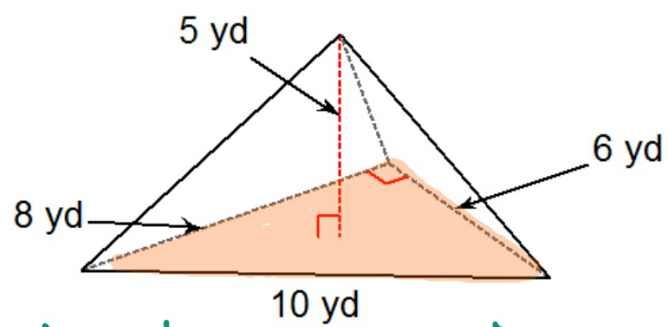


$$\begin{aligned} V &= \frac{LWH}{3} \\ &= \frac{10 \cdot 8 \cdot 11}{3} \\ &= \frac{880}{3} \\ &= 293.3 \text{ ft}^3 \end{aligned}$$

$$880 \div 3 = 293.333333$$

$$\begin{aligned}
 V &= \frac{1}{3} (\text{area of base}) \cdot \text{height} \\
 &= \frac{1}{3} \left(\frac{1}{2} b h \right) H \\
 &= \frac{1}{3} \left(\frac{1}{2} \cdot 3 \cdot 4 \right) 6 \\
 &= 12 \text{ cm}^3
 \end{aligned}$$





$$\begin{aligned} V &= \frac{1}{3} \left(\frac{1}{2} b h \right) H \\ &= \frac{1}{3} \left(\frac{1}{2} \cdot 8 \cdot 6 \right) 5 \\ &= 40 \text{ yd}^3 \end{aligned}$$

HOMWORK

DUE