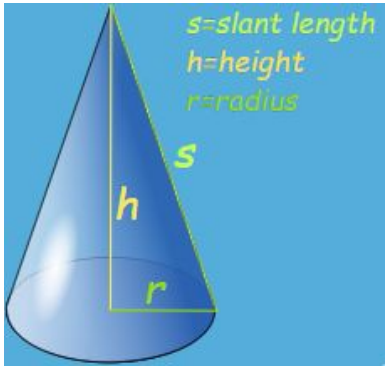
Day 8: Volume- Cone Lesson

Finding volume: Plug into the formula: $V = \frac{1}{3}Bh$

Note: The volume V of all cones and pyramids is $V = \frac{1}{3}Bh$ where B is the area of the base and h is the height of the cone or pyramid.

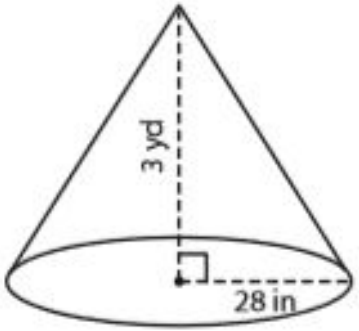
$$\text{Volume} = \frac{1}{3}\pi \times r^2 \times h$$

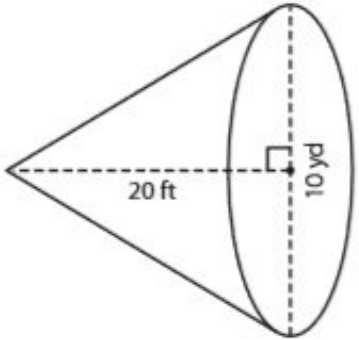


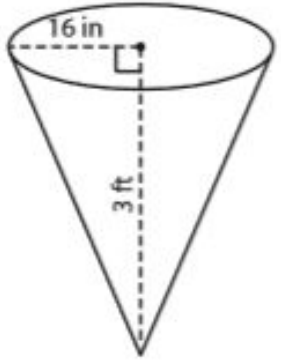
Example: h = 7 and r = 2

$$\begin{aligned}\text{Volume} &= \frac{1}{3}\pi \times r^2 \times h \\ &= \frac{1}{3}\pi \times 2^2 \times 7 \\ &= \frac{28}{3}\pi \\ &\approx 29.32\end{aligned}$$

Find the volume of each figure. Round to the nearest whole number. Show your work!!







Lesson Extra Practice Resources:

Online Activity:
Khan Academy Extra Practice

Video:
Khan Academy Volume of a Cone