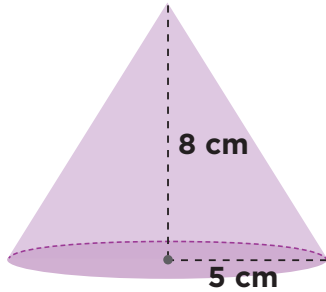


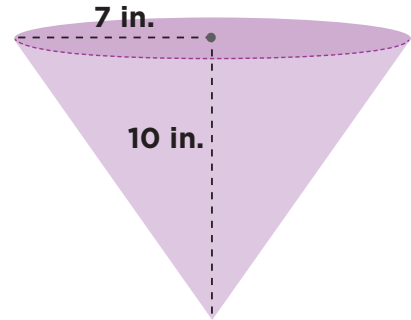
FINDING THE VOLUME OF CONES

You can find the volume of a cone using the formula $V = \frac{1}{3}\pi r^2 h$, where r is the radius of the cone and h is the height of the cone.

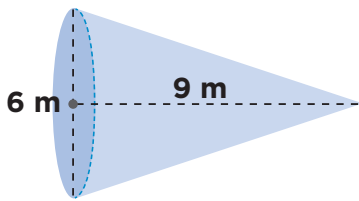
Try it! Find the volume of each cone. Use **3.14** for π , and round your final answer to the nearest hundredth if needed.

1.

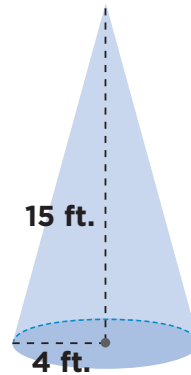
$$V \approx \underline{209.33 \text{ cm}^3}$$

2.

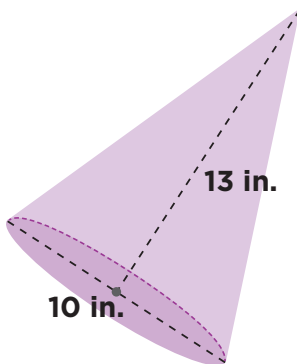
$$V \approx \underline{512.87 \text{ in.}^3}$$

3.

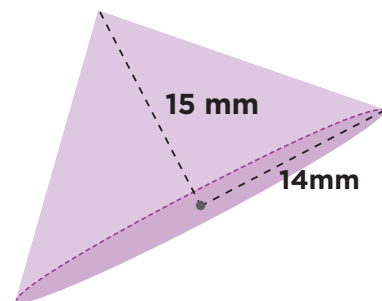
$$V \approx \underline{84.78 \text{ m}^3}$$

4.

$$V \approx \underline{251.2 \text{ ft.}^3}$$

5.

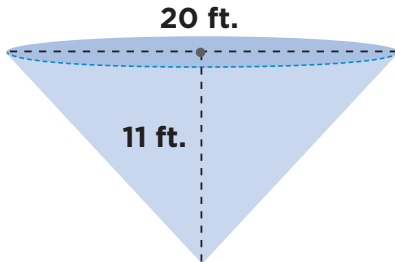
$$V \approx \underline{340.17 \text{ in.}^3}$$

6.

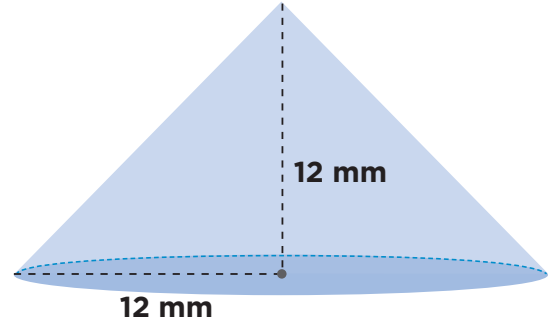
$$V \approx \underline{3,077.2 \text{ mm}^3}$$

FINDING THE VOLUME OF CONES

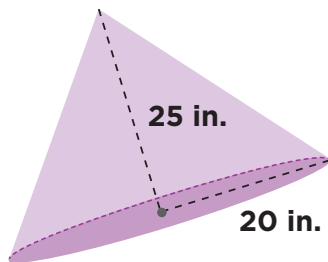
Keep going! Find the volume of each cone. Use **3.14** for π , and round your final answer to the nearest hundredth if needed.

7.

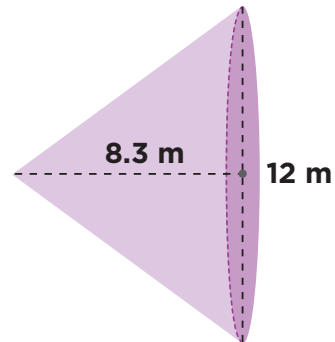
$$V \approx \underline{1,151.33 \text{ ft.}^3}$$

8.

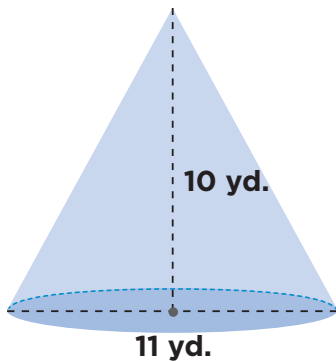
$$V \approx \underline{1,808.64 \text{ mm}^3}$$

9.

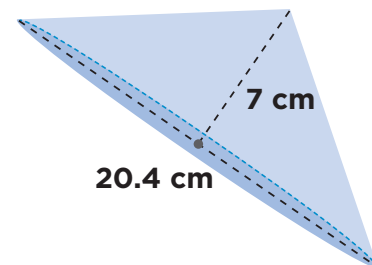
$$V \approx \underline{10,466.67 \text{ in.}^3}$$

10.

$$V \approx \underline{312.74 \text{ m}^3}$$

11.

$$V \approx \underline{316.62 \text{ yd.}^3}$$

12.

$$V \approx \underline{762.27 \text{ cm}^3}$$