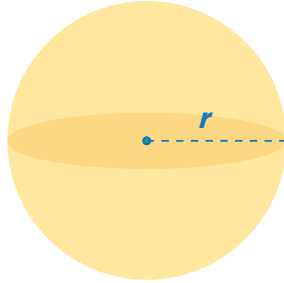


Volume of Spheres

A sphere is a round, three-dimensional figure. You can find the volume of sphere using this formula, where r is the **radius**:

$$V = \frac{4}{3} \pi r^3$$



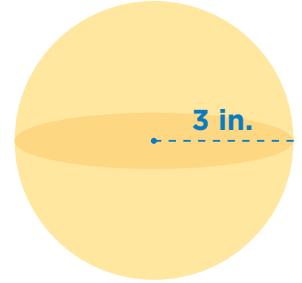
Let's try it! Find the volume of the sphere below. Use 3.14 as an approximation for π .

$$V = \frac{4}{3} \pi r^3$$

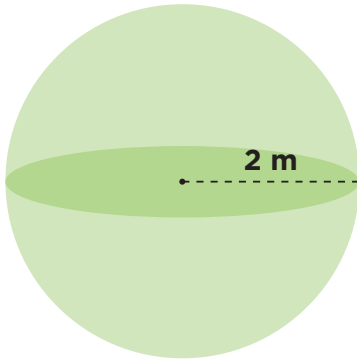
$$V \approx \frac{4}{3} \cdot 3.14 \cdot 3^3$$

$$V \approx \frac{4}{3} \cdot 3.14 \cdot 27$$

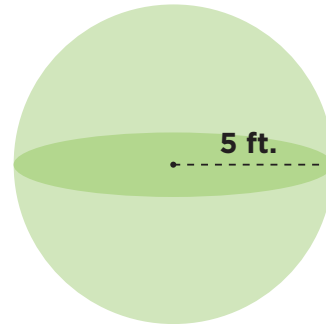
$$V \approx 113.04 \text{ in.}^3$$



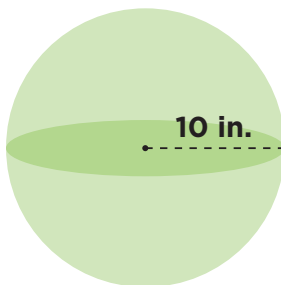
Try it yourself! Calculate the volume of each sphere. Use 3.14 for π . Round your answer to the nearest hundredth if needed.



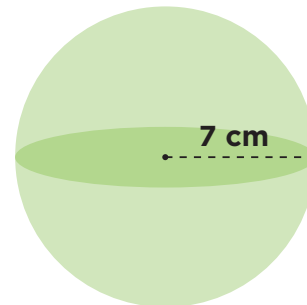
$$V \approx \underline{\hspace{2cm}}$$



$$V \approx \underline{\hspace{2cm}}$$



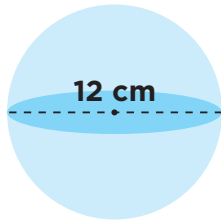
$$V \approx \underline{\hspace{2cm}}$$



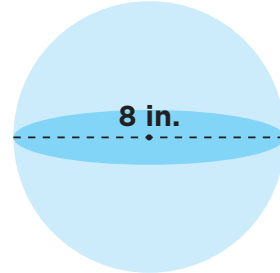
$$V \approx \underline{\hspace{2cm}}$$

Volume of Spheres

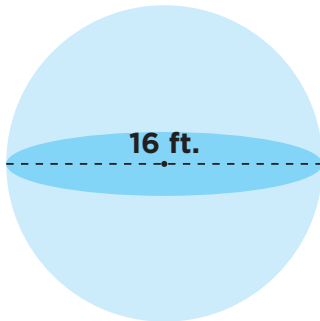
Keep going! Calculate the volume of each sphere. Use 3.14 for π . Remember that the diameter of a circle is twice its radius. Round your answer to the nearest hundredth if needed.



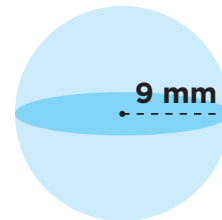
$$V \approx \underline{\hspace{2cm}}$$



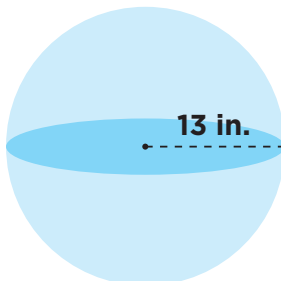
$$V \approx \underline{\hspace{2cm}}$$



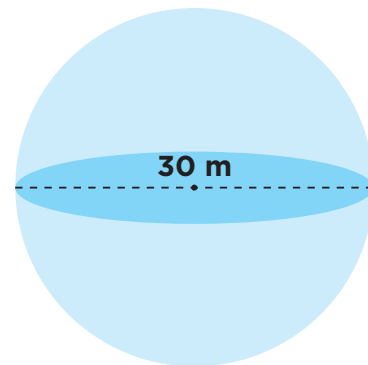
$$V \approx \underline{\hspace{2cm}}$$



$$V \approx \underline{\hspace{2cm}}$$



$$V \approx \underline{\hspace{2cm}}$$



$$V \approx \underline{\hspace{2cm}}$$