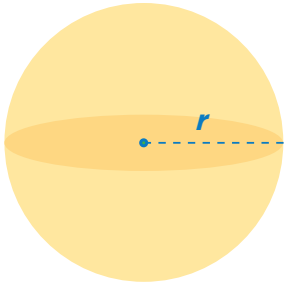
Volume of Spheres

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

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



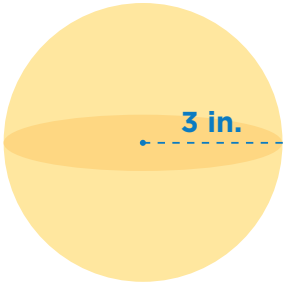
Let's try it! Find the volume of the sphere below. Use 3.14 as an approximation for π.

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

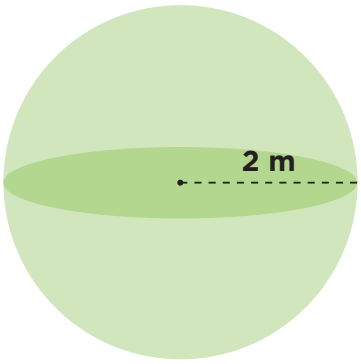
$V \approx \frac{4}{3} \cdot 3.14 \cdot 3^3$

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

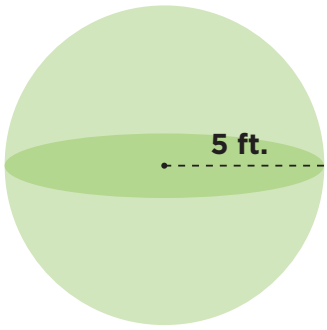
$V \approx 113.04 \text{ in.}^3$



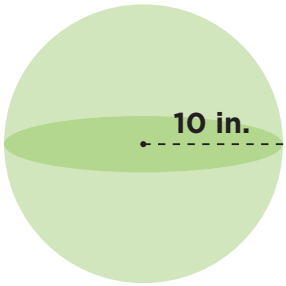
Try it yourself! Calculate the volume of each sphere. Use 3.14 for π. Round your answer to the nearest hundredth if needed.



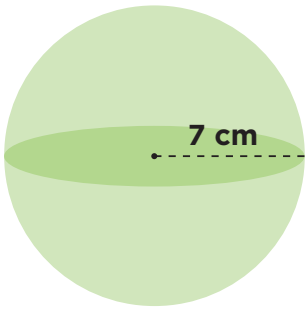
$V \approx$ _____



$V \approx$ _____



$V \approx$ _____



$V \approx$ _____

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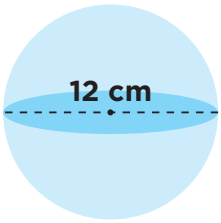
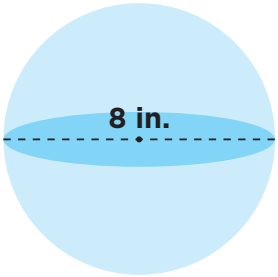
Volume of Spheres

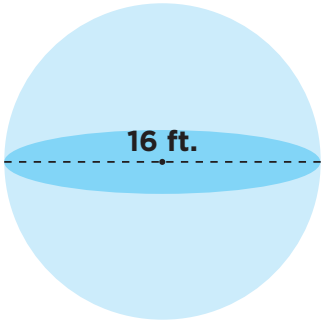
Keep going! Calculate the volume of each sphere. Use 3.14 for π. Remember that the diameter of a circle is twice its radius. Round your answer to the nearest hundredth if needed.



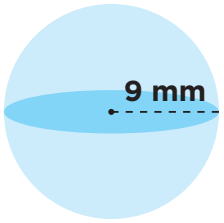
$V \approx$ _____



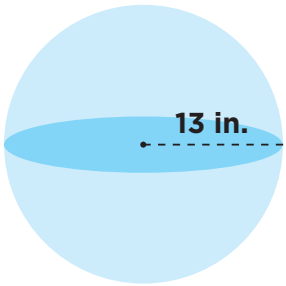
$V \approx$ _____



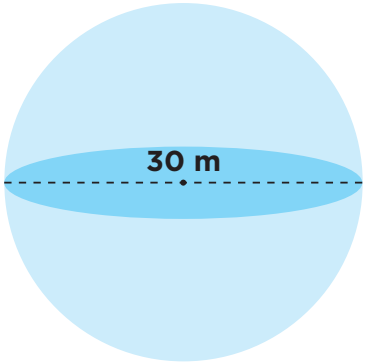
$V \approx$ _____



$V \approx$ _____



$V \approx$ _____



$V \approx$ _____

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