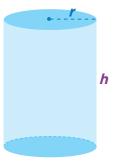
Volume of Cylinders

A cylinder is a three-dimensional figure with two opposite circular bases that are identical. You can find the volume of a cylinder using this formula, where

r is the **radius** and *h* is the **height**:

$$V = \pi r^2 h$$



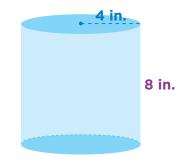
Let's try it! Find the volume of the cylinder below. Use 3.14 as an approximation for π .

$$V = \pi r^2 h$$

 $V \approx 3.14 \cdot 4^2 \cdot 8$

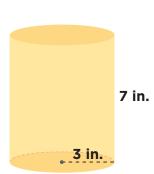
V ≈ 3.14 · 16 · **8**

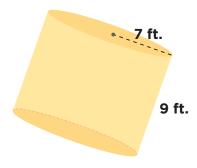
$$V \approx 401.92 \text{ in.}^3$$

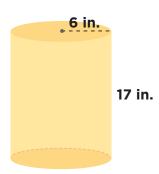


Try it yourself! Calculate the volume of each cylinder. Use 3.14 for π .









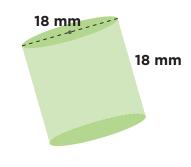
Volume of Cylinders

Keep going! Calculate the volume of each cylinder. Use 3.14 for π . Remember that the diameter of a circle is twice its radius.

> 16 mm 4 mm

14 ft.

10 m 4 m



18 ft. 23 ft.

