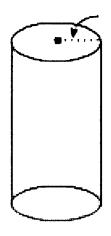
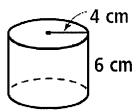
I can calculate Volume of Cylinders and determine the dimensions given the volume Volume of Cylinders

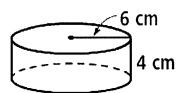


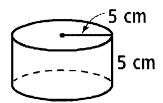
Volume of a Cylinder

$$V = B \cdot H$$

Find the Volume of the Cylinders in terms of π and to the nearest tenth.







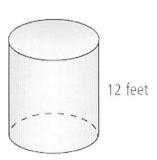
On Your Own:

A cylinder has a diameter of 14 inches and a height of 3.8 inches. What is the volume of the cylinder to the nearest tenth

Given Volume, Find Dimensions

What is the height of a cylinder with a diameter of 12 cm and a Volume of 72π ?

What is the radius of a cylinder that has a volume of 192π cubic feet and a height of 12 feet?

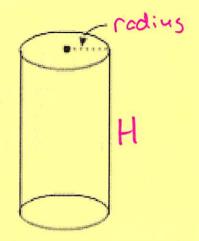


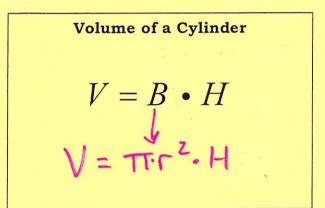
A company is designing a can for a new green iced tea. The volume of the can will be 90 cubic inches. To the nearest tenth of an inch, what is the radius of the can?



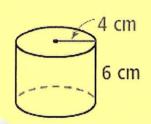
I can calculate Volume of Cylinders and determine the dimensions given the volume

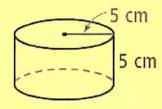
Volume of Cylinders





Find the Volume of the Cylinders in terms of π and to the nearest tenth.





On Your Own:

A cylinder has a diameter of 14 inches and a height of 3.8 inches. What is the volume of the cylinder to the nearest tenth

$$V = \pi \cdot r^{2} \cdot h$$

$$V = \pi \cdot 7^{2} \cdot 3.8$$

$$V = 186.2 \pi$$

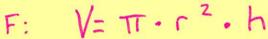
$$V = 585.0 \text{ in}^{3}$$

$$d = 14 in$$
 $C = 7 in$
 $h = 3.8 in$
 $V = ?$

Given Volume, Find Dimensions

radius = 6cm

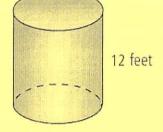
What is the height of a cylinder with a diameter of 12 cm and a Volume of 72π ?



5:
$$72\pi = \pi \cdot 6^2 \cdot h$$

 $72 = 36 \cdot h$
 $36 = 36$

What is the radius of a cylinder that has a volume of 192π cubic feet and a height of 12 feet?



$$\Gamma = ?$$
 $V = 192 \pi ft^3$
 $h = 12 ft$

A company is designing a can for a new green iced tea. The volume of the can will be 90 cubic inches. To the nearest tenth of an inch, what is the radius of the can?

