

Finding the Volume of a Cylinder

3 m

6 m

Ex:) Find the volume of the cylinder. Round your answer to the nearest tenth.





OYO:) Find the volume of a cylinder with a radius of 4 feet and a height of 15 feet. Round your answer to the nearest tenth.

Notes:

Finding the Height of a Cylinder

Ex:) Find the height of the cylinder. Round your answer to the nearest whole number.

Notes:

Notes:



OYO:) Find the height of the cylinder. Round your answer to the nearest Notes: tenth.



Finding the Radius of a Cylinder

Ex:) Find the radius of the cylinder. Round your answer to the nearest whole number.



Volume = 226 ft³

OYO:) Find the radius of the cylinder. Round your answer to the nearest Notes: tenth.



Modeling Real Life

Ex:) You use the cylindrical barrel shown to collect and study rainwater. About how many gallons of water can the barrel hold? $(1 ft^3 \approx 7.5 gal)$



Ex:) A cylindrical swimming pool has a circumference of 18π feet and a height of 4 feet. About how many liters of water are needed to fill the swimming pool to 85% of its total volume? Justify your answer. $(1 ft^3 \approx 28.3 L)$





How much salsa is missing from the jar? Explain your reasoning.