

Volume of a Cylinder

Name: _____

Date: _____

Solve the problems.

- 1) The height and diameter of a cylinder are 1 feet and 2 feet respectively. Find the volume of water the cylinder can hold. Use ($\pi = 3.14$).

$$3.14 \approx 3 \text{ ft}^3$$

- 2) Calculate the volume of a cylinder, if the height is 12 cm and the radius is 7 cm.

- 3) Find the volume of a cylinder whose height is 5 cm and diameter is 13 cm.

- 4) The height and radius of a cylinder -shaped tin are 2 feet and 4 feet respectively. Find the volume of water the tin can hold. Use ($\pi = 3.14$).

- 5) A container is shaped like a cylinder contains oil. The radius is 5 feet and the height is 7 feet. Then find the volume of a cylinder? Use ($\pi = 3.14$).

- 6) Find the volume of a cylinder having the radius of the base as 10 cm and the height of the cylinder is 12 cm?

- 7) Calculate the volume of a cylinder having the radius of the base as 6 cm and the height of the cylinder is 10 cm?

- 8) Find the radius of a cylinder having the volume of 30 cm^3 and the height of the cylinder is 8 cm?

- 9) Find the volume of a cylinder having the radius as 7 m and the height of the cylinder is 9 m?

- 10) Calculate the height of a cylinder whose volume is 301.44 cm^3 and radius is 6cm.

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- 1) The height and diameter of a cylinder are 1 feet and 2 feet respectively. Find the volume of water the cylinder can hold. Use ($\pi = 3.14$).

$$\underline{3.14 \approx 3 \text{ ft}^3}$$

- 2) Calculate the volume of a cylinder, if the height is 12 cm and the radius is 7 cm.

$$\underline{1847.26 \approx 1847 \text{ cm}^3}$$

- 3) Find the volume of a cylinder whose height is 5 cm and diameter is 13 cm.

$$\underline{663.66 \approx 664 \text{ cm}^3}$$

- 4) The height and radius of a cylinder -shaped tin are 2 feet and 4 feet respectively. Find the volume of water the tin can hold. Use ($\pi = 3.14$).

$$\underline{100.53 \approx 101 \text{ ft}^3}$$

- 5) A container is shaped like a cylinder contains oil. The radius is 5 feet and the height is 7 feet. Then find the volume of a cylinder? Use ($\pi = 3.14$).

$$\underline{549.78 \approx 550 \text{ ft}^3}$$

- 6) Find the volume of a cylinder having the radius of the base as 10 cm and the height of the cylinder is 12 cm?

$$\underline{3769.91 \approx 3770 \text{ cm}^3}$$

- 7) Calculate the volume of a cylinder having the radius of the base as 6 cm and the height of the cylinder is 10 cm?

$$\underline{1130.97 \approx 1131 \text{ cm}^3}$$

- 8) Find the radius of a cylinder having the volume of 30 cm^3 and the height of the cylinder is 8 cm?

$$\underline{1.09 \approx 1 \text{ cm}}$$

- 9) Find the volume of a cylinder having the radius as 7 m and the height of the cylinder is 9 m?

$$\underline{1385.44 \approx 1385 \text{ m}^3}$$

- 10) Calculate the height of a cylinder whose volume is 301.44 cm^3 and radius is 6cm.

$$\underline{2.67 \approx 3 \text{ cm}}$$