

Volume of a Cylinder

Name: _____

Date: _____

Solve the problems.

- 1) The height and radius of a cylinder-shaped tin are 12 feet and 7 feet respectively. Find the volume of water the tin can hold. Use ($\pi = 3.14$).

- 2) A container is shaped like a cylinder contains oil. The radius is 13 feet and the height is 9 feet. Then find the volume of a cylinder? Use ($\pi = 3.14$).

- 3) Calculate the volume of a cylinder, if the height is 11 cm and the radius is 8 cm.

- 4) Find the volume of a cylinder having the radius of the base as 13 cm and the height of the cylinder is 11 cm?

- 5) The height and diameter of a cylinder are 16 feet and 8 feet respectively. Find the volume of water the cylinder can hold. Use ($\pi = 3.14$).

- 6) Find the volume of a cylinder whose height is 22 cm and diameter is 14 cm.

- 7) Calculate the height of a cylinder whose volume is 453.23 cm^3 and radius is 5 cm.

- 8) Find the volume of a cylinder having the radius as 6 m and the height of the cylinder is 11 m?

- 9) Calculate the volume of a cylinder having the radius of the base as 14 cm and the height of the cylinder is 3 cm?

- 10) Find the radius of a cylinder having the volume of 90 cm^3 and the height of the cylinder is 14 cm?

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- 1) The height and radius of a cylinder-shaped tin are 12 feet and 7 feet respectively. Find the volume of water the tin can hold. Use ($\pi = 3.14$).

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

- 2) A container is shaped like a cylinder contains oil. The radius is 13 feet and the height is 9 feet. Then find the volume of a cylinder? Use ($\pi = 3.14$).

$$\underline{4778.36 \approx 4778 \text{ ft}^3}$$

- 3) Calculate the volume of a cylinder, if the height is 11 cm and the radius is 8 cm.

$$\underline{2211.68 \approx 2212 \text{ cm}^3}$$

- 4) Find the volume of a cylinder having the radius of the base as 13 cm and the height of the cylinder is 11 cm?

$$\underline{5840.22 \approx 5840 \text{ cm}^3}$$

- 5) The height and diameter of a cylinder are 16 feet and 8 feet respectively. Find the volume of water the cylinder can hold. Use ($\pi = 3.14$).

$$\underline{804.25 \approx 804 \text{ ft}^3}$$

- 6) Find the volume of a cylinder whose height is 22 cm and diameter is 14 cm.

$$\underline{3386.64 \approx 3387 \text{ cm}^3}$$

- 7) Calculate the height of a cylinder whose volume is 453.23 cm^3 and radius is 5 cm.

$$\underline{5.77 \approx 6 \text{ cm}}$$

- 8) Find the volume of a cylinder having the radius as 6 m and the height of the cylinder is 11 m?

$$\underline{1244.07 \approx 1244 \text{ m}^3}$$

- 9) Calculate the volume of a cylinder having the radius of the base as 14 cm and the height of the cylinder is 3 cm?

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

- 10) Find the radius of a cylinder having the volume of 90 cm^3 and the height of the cylinder is 14 cm?

$$\underline{1.43 \approx 1 \text{ cm}}$$