

Volume of a Cylinder

Name: _____

Date: _____

Solve the problems.

- 1) Find the volume of a cylinder having the radius as 5 m and the height of the cylinder is 12 m?

- 2) Find the radius of a cylinder having the volume of 100.25 cm^3 and the height of the cylinder is 13 cm?

- 3) Calculate the height of a cylinder whose volume is 536 cm^3 and radius is 4 cm.

- 4) The height and radius of a cylinder-shaped tin are 11 feet and 6 feet respectively. Find the volume of water the tin can hold. Use ($\pi = 3.14$).

- 5) Find the volume of a cylinder whose height is 20 cm and diameter is 11 cm.

- 6) Find the volume of a cylinder having the radius of the base as 15 cm and the height of the cylinder is 10 cm?

- 7) Calculate the volume of a cylinder, if the height is 18 cm and the radius is 9 cm.

- 8) A container is shaped like a cylinder contains oil. The radius is 4 feet and the height is 16 feet. Then find the volume of a cylinder? Use ($\pi = 3.14$).

- 9) Calculate the volume of a cylinder having the radius of the base as 13 cm and the height of the cylinder is 2 cm?

- 10) The height and diameter of a cylinder are 5 feet and 15 feet respectively. Find the volume of water the cylinder can hold. Use ($\pi = 3.14$).

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Solve the problems.

- 1) Find the volume of a cylinder having the radius as 5 m and the height of the cylinder is 12 m?

$$\underline{942.48 \approx 942 \text{ m}^3}$$

- 2) Find the radius of a cylinder having the volume of 100.25 cm^3 and the height of the cylinder is 13 cm?

$$\underline{1.57 \approx 2 \text{ cm}}$$

- 3) Calculate the height of a cylinder whose volume is 536 cm^3 and radius is 4 cm.

$$\underline{10.66 \approx 11 \text{ cm}}$$

- 4) The height and radius of a cylinder-shaped tin are 11 feet and 6 feet respectively. Find the volume of water the tin can hold. Use ($\pi = 3.14$).

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

- 5) Find the volume of a cylinder whose height is 20 cm and diameter is 11 cm.

$$\underline{1900.66 \approx 1901 \text{ cm}^3}$$

- 6) Find the volume of a cylinder having the radius of the base as 15 cm and the height of the cylinder is 10 cm?

$$\underline{7068.58 \approx 7069 \text{ cm}^3}$$

- 7) Calculate the volume of a cylinder, if the height is 18 cm and the radius is 9 cm.

$$\underline{4580.44 \approx 4580 \text{ cm}^3}$$

- 8) A container is shaped like a cylinder contains oil. The radius is 4 feet and the height is 16 feet. Then find the volume of a cylinder? Use ($\pi = 3.14$).

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

- 9) Calculate the volume of a cylinder having the radius of the base as 13 cm and the height of the cylinder is 2 cm?

$$\underline{1061.86 \approx 1062 \text{ cm}^3}$$

- 10) The height and diameter of a cylinder are 5 feet and 15 feet respectively. Find the volume of water the cylinder can hold. Use ($\pi = 3.14$).

$$\underline{883.57 \approx 884 \text{ ft}^3}$$