

## Volume of a Cylinder

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Solve the problems.

- 1) Find the radius of a cylinder having the volume of  $40 \text{ cm}^3$  and the height of the cylinder is 12 cm?

\_\_\_\_\_

- 2) Calculate the volume of a cylinder having the radius of the base as 10 cm and the height of the cylinder is 13 cm?

\_\_\_\_\_

- 3) The height and radius of a cylinder -shaped tin are 6 feet and 3 feet respectively. Find the volume of water the tin can hold. Use ( $\pi = 3.14$ ).

\_\_\_\_\_

- 4) Calculate the volume of a cylinder, if the height is 11 cm and the radius is 5 cm.

\_\_\_\_\_

- 5) Calculate the height of a cylinder whose volume is  $455.31 \text{ cm}^3$  and radius is 8 cm.

\_\_\_\_\_

- 6) Find the volume of a cylinder having the radius of the base as 16 cm and the height of the cylinder is 10 cm?

\_\_\_\_\_

- 7) Find the volume of a cylinder having the radius as 9 m and the height of the cylinder is 18 m?

\_\_\_\_\_

- 8) Find the volume of a cylinder whose height is 12 cm and diameter is 10 cm.

\_\_\_\_\_

- 9) A container is shaped like a cylinder contains oil. The radius is 5 feet and the height is 13 feet. If the container release oil of 40 cubic feet, then find the oil contain in the cylinder? Use ( $\pi = 3.14$ ).

\_\_\_\_\_

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

\_\_\_\_\_

## Volume of a Cylinder

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### Solve the problems.

- 1) Find the radius of a cylinder having the volume of  $40 \text{ cm}^3$  and the height of the cylinder is 12 cm?

$$\underline{1.03 \approx 1 \text{ cm}}$$

- 2) Calculate the volume of a cylinder having the radius of the base as 10 cm and the height of the cylinder is 13 cm?

$$\underline{4084.07 \approx 4084 \text{ cm}^3}$$

- 3) The height and radius of a cylinder -shaped tin are 6 feet and 3 feet respectively. Find the volume of water the tin can hold. Use ( $\pi = 3.14$ ).

$$\underline{169.65 \approx 170 \text{ ft}^3}$$

- 4) Calculate the volume of a cylinder, if the height is 11 cm and the radius is 5 cm.

$$\underline{863.94 \approx 864 \text{ cm}^3}$$

- 5) Calculate the height of a cylinder whose volume is  $455.31 \text{ cm}^3$  and radius is 8 cm.

$$\underline{2.26 \approx 2 \text{ cm}}$$

- 6) Find the volume of a cylinder having the radius of the base as 16 cm and the height of the cylinder is 10 cm?

$$\underline{8042.48 \approx 8042 \text{ cm}^3}$$

- 7) Find the volume of a cylinder having the radius as 9 m and the height of the cylinder is 18 m?

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

- 8) Find the volume of a cylinder whose height is 12 cm and diameter is 10 cm.

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

- 9) A container is shaped like a cylinder contains oil. The radius is 5 feet and the height is 13 feet. If the container release oil of 40 cubic feet, then find the oil contain in the cylinder? Use ( $\pi = 3.14$ ).

$$\underline{981.02 \approx 981 \text{ ft}^3}$$

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

$$\underline{791.68 \approx 792 \text{ ft}^3}$$