

Surface Area of a Cylinder

Name: _____

Date: _____

Solve the problems.

- 1) A container is shaped like a cylinder contains oil. The diameter is 24 feet and the height is 21 feet. Then find the surface area? Use ($\pi= 3.14$).

- 2) Find the surface area of a cylinder having the radius of the base as 14 cm and the height of the cylinder is 23 cm?

- 3) Find the surface area of a cylinder having the radius as 15 m and the height of the cylinder is 32.6 m?

- 4) Calculate the surface area of a cylinder having the radius of the base as 23.2 cm and the height of the cylinder is 24.6 cm?

- 5) Calculate the surface area of a cylinder, if the height is 34.4 cm and the radius is 22.7 cm.

- 6) The height and diameter of a cylinder-shaped tin are 13.9 feet and 16.8 feet respectively. Find the surface area of water the tin can hold. Use ($\pi= 3.14$).

- 7) The height and diameter of a cylinder are 25.6 feet and 24 feet respectively. Find the surface area of water the cylinder can hold. Use ($\pi= 3.14$).

- 8) Find the surface area of a cylinder whose height is 32.8 mm and diameter is 32.6 mm.

- 9) Calculate the surface area of a cylinder having the radius of the base as 18.9 mm and the height of the cylinder is 33.1 mm?

- 10) Find the radius of a cylinder having the surface area of 3396.12 cm^2 and the height of the cylinder is 29 cm?

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- 1) A container is shaped like a cylinder contains oil. The diameter is 24 feet and the height is 21 feet. Then find the surface area? Use ($\pi= 3.14$).

$$\underline{2488.14 \approx 2488 \text{ ft}^2}$$

- 2) Find the surface area of a cylinder having the radius of the base as 14 cm and the height of the cylinder is 23 cm?

$$\underline{3254.69 \approx 3255 \text{ cm}^2}$$

- 3) Find the surface area of a cylinder having the radius as 15 m and the height of the cylinder is 32.6 m?

$$\underline{4486.19 \approx 4486 \text{ m}^2}$$

- 4) Calculate the surface area of a cylinder having the radius of the base as 23.2 cm and the height of the cylinder is 24.6 cm?

$$\underline{6967.8 \text{ cm}^2 \approx 6968 \text{ cm}^2}$$

- 5) Calculate the surface area of a cylinder, if the height is 34.4 cm and the radius is 22.7 cm.

$$\underline{8144.08 \text{ cm}^2 \approx 8144 \text{ cm}^2}$$

- 6) The height and diameter of a cylinder-shaped tin are 13.9 feet and 16.8 feet respectively. Find the surface area of water the tin can hold. Use ($\pi= 3.14$).

$$\underline{1176.97 \approx 1177 \text{ ft}^2}$$

- 7) The height and diameter of a cylinder are 25.6 feet and 24 feet respectively. Find the surface area of water the cylinder can hold. Use ($\pi= 3.14$).

$$\underline{2834.97 \approx 2835 \text{ ft}^2}$$

- 8) Find the surface area of a cylinder whose height is 32.8 mm and diameter is 32.6 mm.

$$\underline{5028.62 \approx 5029 \text{ mm}^2}$$

- 9) Calculate the surface area of a cylinder having the radius of the base as 18.9 mm and the height of the cylinder is 33.1 mm?

$$\underline{6175.11 \approx 6175 \text{ mm}^2}$$

- 10) Find the radius of a cylinder having the surface area of 3396.12 cm^2 and the height of the cylinder is 29 cm?

$$\underline{12.9 \approx 13 \text{ cm}}$$