

## Surface Area of a Cylinder

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

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

**Solve the problems.**

- 1) If the height is 12 cm and the radius is 5 cm then find the surface area of a cylinder?

$$534.07 \approx 534 \text{ cm}^2$$

---

- 2) Find the surface area of a cylinder whose height is 16 cm and diameter is 18 cm.

---

- 3) The height and diameter of a cylinder are 15 feet and 22 feet respectively. Find the surface area of water the cylinder can hold. Use ( $\pi = 3.14$ ).

---

- 4) Find the radius of a cylinder having the surface area of  $980.18 \text{ cm}^2$  and the height of the cylinder is 20 cm?

---

- 5) Calculate the height of a cylinder whose surface area is  $763.97 \text{ cm}^2$  and radius is 6.3 cm.

---

- 6) Find the surface area of a cylinder having the radius of the base as 11 cm and the height of the cylinder is 17 cm?

---

- 7) Find the surface area of a cylinder having the radius as 11.2 m and the height of the cylinder is 19.2 m?

---

- 8) The height and radius of a cylinder-shaped tin are 10 feet and 6 feet respectively. Find the surface area of water the tin can hold. Use ( $\pi = 3.14$ ).

---

- 9) Calculate the surface area of a cylinder having the radius of the base as 10 cm and the height of the cylinder is 21 cm?

---

- 10) Calculate the surface area of a cylinder, if the height is 18 mm and the radius is 13 mm.

---

## Surface Area of a Cylinder

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

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

**Solve the problems.**

- 1) If the height is 12 cm and the radius is 5 cm then find the surface area of a cylinder?

$$\underline{534.07 \approx 534 \text{ cm}^2}$$

- 2) Find the surface area of a cylinder whose height is 16 cm and diameter is 18 cm.

$$\underline{1413.72 \approx 1414 \text{ cm}^2}$$

- 3) The height and diameter of a cylinder are 15 feet and 22 feet respectively. Find the surface area of water the cylinder can hold. Use ( $\pi = 3.14$ ).

$$\underline{1796.99 \approx 1797 \text{ ft}^2}$$

- 4) Find the radius of a cylinder having the surface area of  $980.18 \text{ cm}^2$  and the height of the cylinder is 20 cm?

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

- 5) Calculate the height of a cylinder whose surface area is  $763.97 \text{ cm}^2$  and radius is 6.3 cm.

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

- 6) Find the surface area of a cylinder having the radius of the base as 11 cm and the height of the cylinder is 17 cm?

$$\underline{1935.22 \approx 1935 \text{ cm}^2}$$

- 7) Find the surface area of a cylinder having the radius as 11.2 m and the height of the cylinder is 19.2 m?

$$\underline{2139.3 \approx 2139 \text{ m}^2}$$

- 8) The height and radius of a cylinder-shaped tin are 10 feet and 6 feet respectively. Find the surface area of water the tin can hold. Use ( $\pi = 3.14$ ).

$$\underline{603.19 \approx 603 \text{ ft}^2}$$

- 9) Calculate the surface area of a cylinder having the radius of the base as 10 cm and the height of the cylinder is 21 cm?

$$\underline{1947.79 \approx 1948 \text{ cm}^2}$$

- 10) Calculate the surface area of a cylinder, if the height is 18 mm and the radius is 13 mm.

$$\underline{2532.12 \approx 2532 \text{ mm}^2}$$