

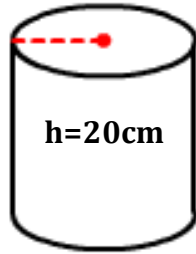
## Surface area of a Cylinder

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

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

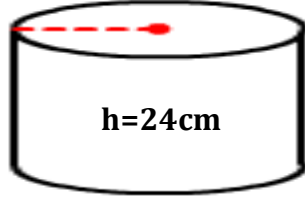
Picture below are three cylindrical tins of water. Answer the questions.

$r=5\text{cm}$

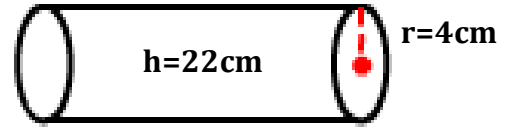


Tin 1

$r=6\text{cm}$



Tin 2



Tin 3

- 1) If the radius of tin 1 is increased by 2 cm, then find the surface area of tin 1.

\_\_\_\_\_

- 2) Which tin contains more water: Tin 3 or Tin 1?

\_\_\_\_\_

- 3) What is the height of tin 3?

\_\_\_\_\_

- 4) What is the surface area of tin 1?

\_\_\_\_\_

- 5) Which tin contains more water: Tin 2 or Tin 3?

\_\_\_\_\_

- 6) What is the height of tin 1?

\_\_\_\_\_

- 7) Which has a greater height: Tin 1 or Tin 2?

\_\_\_\_\_

- 8) What is the surface area of tin 3?

\_\_\_\_\_

- 9) A Cylinder has a radius of 6 cm and a height of 24 cm. What is the surface area?

\_\_\_\_\_

- 10) Find the surface area of cylinder with radius of 5 cm and a height of 20 cm.

\_\_\_\_\_

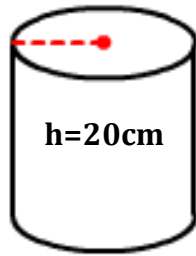
## Surface area of a Cylinder

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

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

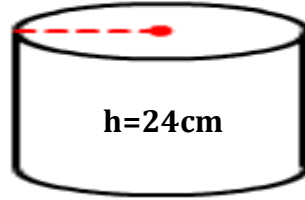
Picture below are three cylindrical tins of water. Answer the questions.

$r=5\text{cm}$

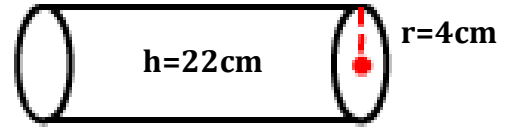


Tin 1

$r=6\text{cm}$



Tin 2



Tin 3

- 1) If the radius of tin 1 is increased by 2 cm, then find the surface area of tin 1.

1187.52 cm<sup>2</sup>

- 2) Which tin contains more water: Tin 3 or Tin 1?

Tin 1

- 3) What is the height of tin 3?

22 cm

- 4) What is the surface area of tin 1?

785.4 cm<sup>2</sup>

- 5) Which tin contains more water: Tin 2 or Tin 3?

Tin 2

- 6) What is the height of tin 1?

20 cm

- 7) Which has a greater height: Tin 1 or Tin 2?

Tin 2

- 8) What is the surface area of tin 3?

653.45 cm<sup>2</sup>

- 9) A Cylinder has a radius of 6 cm and a height of 24 cm. What is the surface area?

1130.97 cm<sup>2</sup>

- 10) Find the surface area of cylinder with radius of 5 cm and a height of 20 cm.

785.4 cm<sup>2</sup>