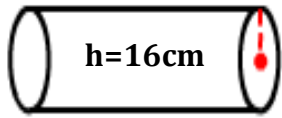


# Surface area of a Cylinder

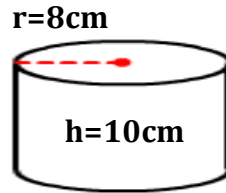
Name: \_\_\_\_\_

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

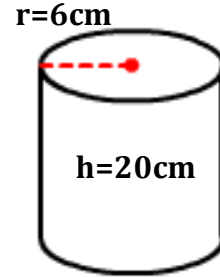
Picture below are three cylindrical tins of water. Answer the questions.



Tin 1



Tin 2



Tin 3

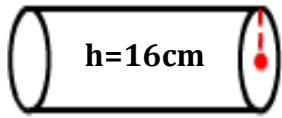
- 1) The height and radius of a cylinder are 20 cm and 6 cm respectively. Find the surface area of tin 3.  
\_\_\_\_\_  $980.18 \text{ cm}^2$  \_\_\_\_\_
- 2) What is the formula for finding the surface area of a cylinder?  
\_\_\_\_\_
- 3) What is the height of tin 1?  
\_\_\_\_\_
- 4) What is the surface area of tin 2?  
\_\_\_\_\_
- 5) Which tin contains more water: Tin 1 or Tin 2?  
\_\_\_\_\_
- 6) What is the value of pi?  
\_\_\_\_\_
- 7) Which has a greater height: Tin 2 or Tin 3?  
\_\_\_\_\_
- 8) What is the radius of tin 2?  
\_\_\_\_\_
- 9) A Cylinder has a radius of 8 cm and a height of 10 cm. What is the surface area?  
\_\_\_\_\_
- 10) Find the surface area of cylinder with radius of 3 cm and a height of 16 cm.  
\_\_\_\_\_

## Surface area of a Cylinder

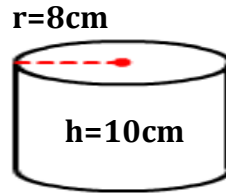
Name: \_\_\_\_\_

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

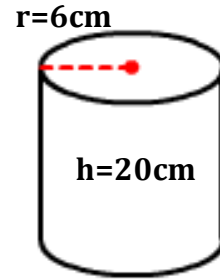
Picture below are three cylindrical tins of water. Answer the questions.



Tin 1



Tin 2



Tin 3

- 1) The height and radius of a cylinder are 20 cm and 6 cm respectively. Find the surface area of tin 3.

980.18  $\text{cm}^2$

- 2) What is the formula for finding the surface area of a cylinder?

$A = 2\pi rh + 2\pi r^2$

- 3) What is the height of tin 1?

16 cm

- 4) What is the surface area of tin 2?

904.78  $\text{cm}^2$

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

Tin 2

- 6) What is the value of pi?

3.14

- 7) Which has a greater height: Tin 2 or Tin 3?

Tin 3

- 8) What is the radius of tin 2?

8 cm

- 9) A Cylinder has a radius of 8 cm and a height of 10 cm. What is the surface area?

904.78  $\text{cm}^2$

- 10) Find the surface area of cylinder with radius of 3 cm and a height of 16 cm.

358.14  $\text{cm}^2$