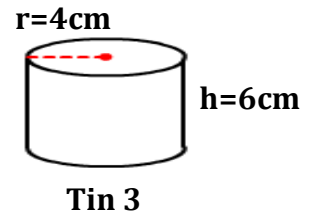
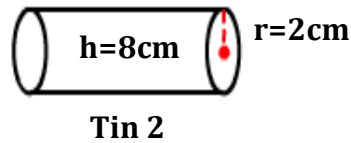
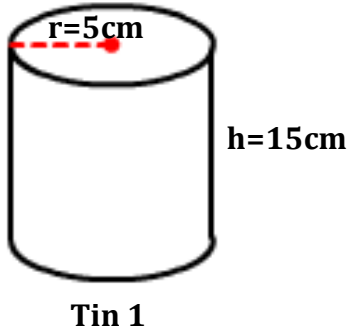


Volume of a Cylinder

Name: _____

Date: _____

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



- 1) The height and radius of a cylinder are 15 cm and 5 cm respectively. Find the volume of tin 1.

1178.1 cm³

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

- 3) What is the height of tin 3?

- 4) What is the volume of tin 2?

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

- 6) What is the value of pi?

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

- 8) What is the volume of tin 3?

- 9) A Cylinder has a radius of 2 cm and a height of 8 cm. What is the volume?

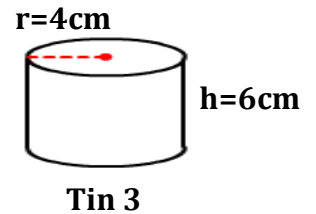
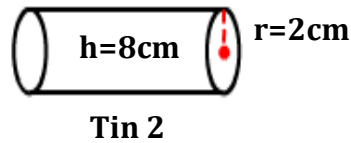
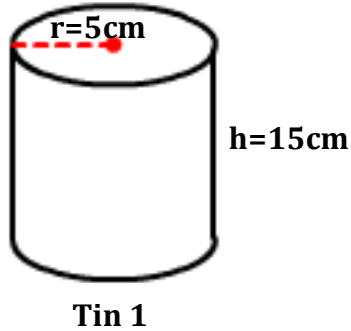
- 10) Find the volume of cylinder with radius of 4 cm and a height of 6 cm.

Volume of a Cylinder

Name: _____

Date: _____

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



- 1) The height and radius of a cylinder are 15 cm and 5 cm respectively. Find the volume of tin 1.

1178.1 cm³

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

$V = \pi r^2 h$

- 3) What is the height of tin 3?

6 cm

- 4) What is the volume of tin 2?

100.53 cm³

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

Tin 1

- 6) What is the value of pi?

3.14

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

Tin 1

- 8) What is the volume of tin 3?

301.59 cm³

- 9) A Cylinder has a radius of 2 cm and a height of 8 cm. What is the volume?

100.53 cm³

- 10) Find the volume of cylinder with radius of 4 cm and a height of 6 cm.

301.59 cm³