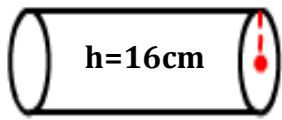


Volume of a Cylinder

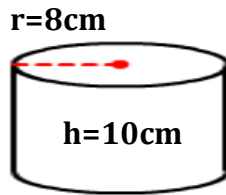
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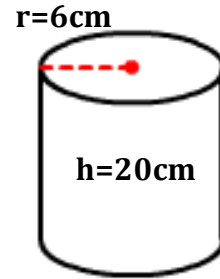
Picture below are three cylindrical tins of water. Answer the questions.



Tin 1



Tin 2



Tin 3

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

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

- 3) What is the height of tin 2?

- 4) What is the volume of tin 1?

- 5) Which tin contains more water: Tin 2 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 3 cm and a height of 16 cm. What is the volume?

- 10) Find the volume of cylinder with radius of 8 cm and a height of 10 cm.

Volume of a Cylinder

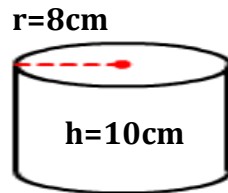
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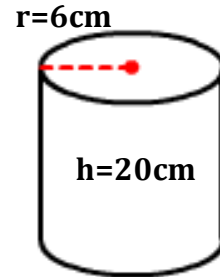
Picture below are three cylindrical tins of water. Answer the questions.



Tin 1



Tin 2



Tin 3

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

2261.95 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 2?

10 cm

- 4) What is the volume of tin 1?

452.39 cm³

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

Tin 3

- 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?

2261.95 cm³

- 9) A Cylinder has a radius of 3 cm and a height of 16 cm. What is the volume?

452.39 cm³

- 10) Find the volume of cylinder with radius of 8 cm and a height of 10 cm.

2010.62 cm³