



Topic : Mathematics Surface Area of Cylinders

Learning Objective : Solve real-world mathematical problems involving area, surface area, and volume.

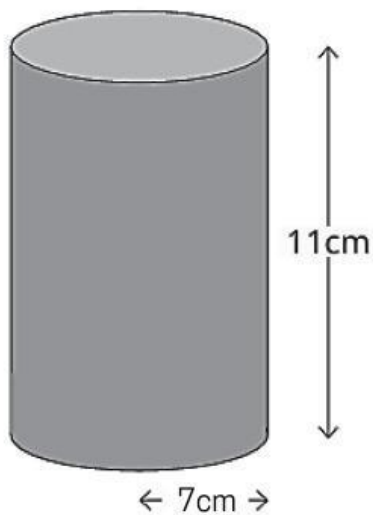
Name :

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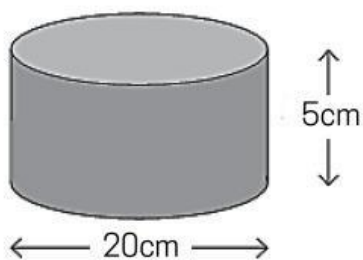
Date :

1. Find the surface area of each of the cylinders below.

a.



b.



c.



|         |                                                                                                                                                                                                                   |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2       | The label on a water bottle wraps around the cylindrical section. The label has a height of 18cm. Given the water bottle has a radius of 7cm, find the area of the label.                                         |
| Answer: |                                                                                                                                                                                                                   |
| 3       | A storage silo is being repainted. The silo is in the shape of a cylinder with a height of 50m and a diameter of 28m. The paint cost \$2 for every 1 m <sup>2</sup> . Find the total cost of repainting the silo. |
| Answer: |                                                                                                                                                                                                                   |