



Topic : Mathematics Surface Area of Cylinders

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

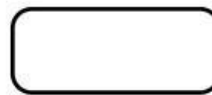
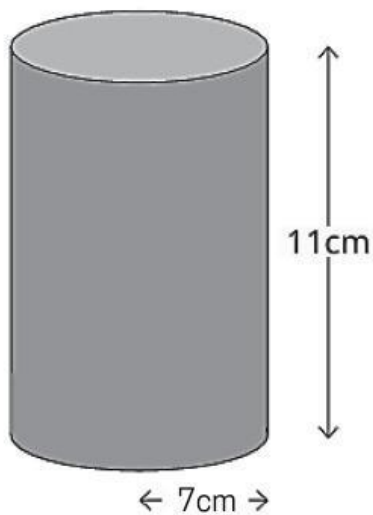
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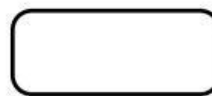
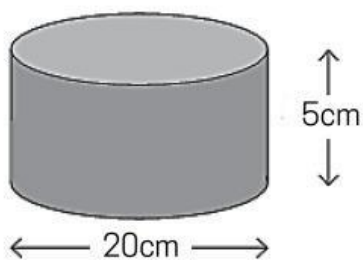
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1. Find the surface area of each of the cylinders below.

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:	