

Surface Area of a Cylinder

Name: _____

Date: _____

Solve the problems.

- 1) The surface area of a cylindrical vessel is 169.65cm^2 and its height is 26 cm. What is the radius of the cylindrical vessel?

1cm

- 2) Zoe loves roses. She has a cylindrical-shaped container with height 11cm and radius 7cm, she plans to fill the container with soil to grow her won rose plants. Find the surface area of the cylinder?

- 3) Jacob buys a juice can on a hot day. The cylindrical has surface area of 201.06cm^2 of juice. The radius of a can is 4 cm. What is the height of the can?

- 4) Emily brought the lollipops jar near the science museum, the jar look like the cylindrical shape and has a radius of 2.4mm and height 7.5mm. What is the surface area of a jar?

- 5) The height and diameter of a cylindrical-shaped storage tank are 9.2 feet and 14 feet respectively. Find the surface area of the tank?

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$791.68\text{cm}^2 \approx 792\text{cm}^2$

- 3) Jacob buys a juice can on a hot day. The cylindrical has surface area of 201.06cm^2 of juice. The radius of a can is 4 cm. What is the height of the can?

4cm

- 4) Emily brought the lollipops jar near the science museum, the jar look like the cylindrical shape and has a radius of 2.4mm and height 7.5mm. What is the surface area of a jar?

$149.29\text{ mm}^2 \approx 149\text{ mm}^2$

- 5) The height and diameter of a cylindrical-shaped storage tank are 9.2 feet and 14 feet respectively. Find the surface area of the tank?

$712.51\text{ft}^2 \approx 713\text{ft}^2$
