

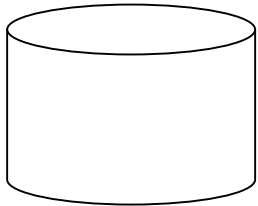
Date: _____

5.4 Surface Area of a Cylinder

Review:

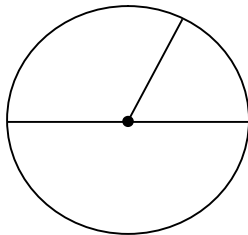
A cylinder is a 3d shape with two _____ and _____
_____ bases.

The net of a cylinder is made up of one _____ and two _____.



Draw the net:

The circle at the top and bottom of the cylinder is important for finding the surface area of the cylinder:

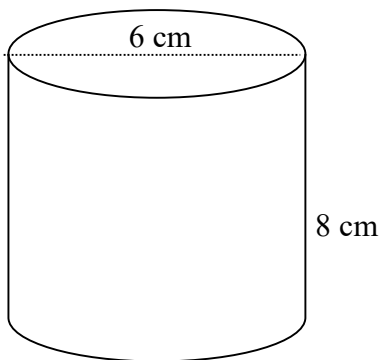


Label the diameter and radius on the circle.

Which is used to find the circumference of the circle?

Which is used to find the area of the circle?

Find the surface area of the cylinder shown:



Find the area of the top and bottom:

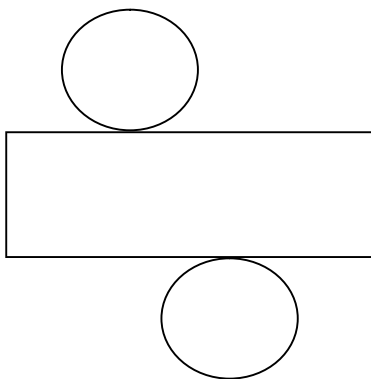
Find the area of the side:

The total surface area of the cylinder is _____.

Example:

Oscar is making a garbage can. It will be an open top cylinder. How much material does he need if the can has a diameter of 40 cm and a height of 70 cm?

A formula can also be used to find the surface area of a cylinder:



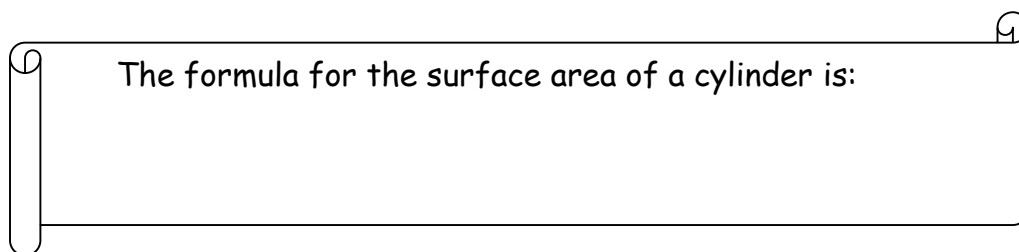
Think:

How do you find the area of 1 circle?

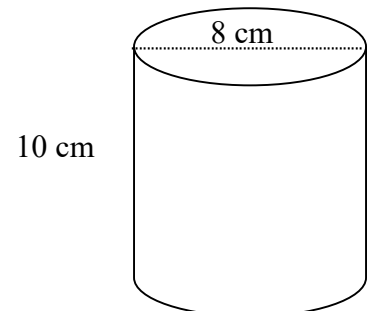
Therefore, 2 circles is _____

How do you find the width of the rectangle?

Therefore, the area of the rectangle is _____



Find the surface area of the cylinder using the formula:



You can cut out pieces of this isometric dot paper if you need to use them for your homework

