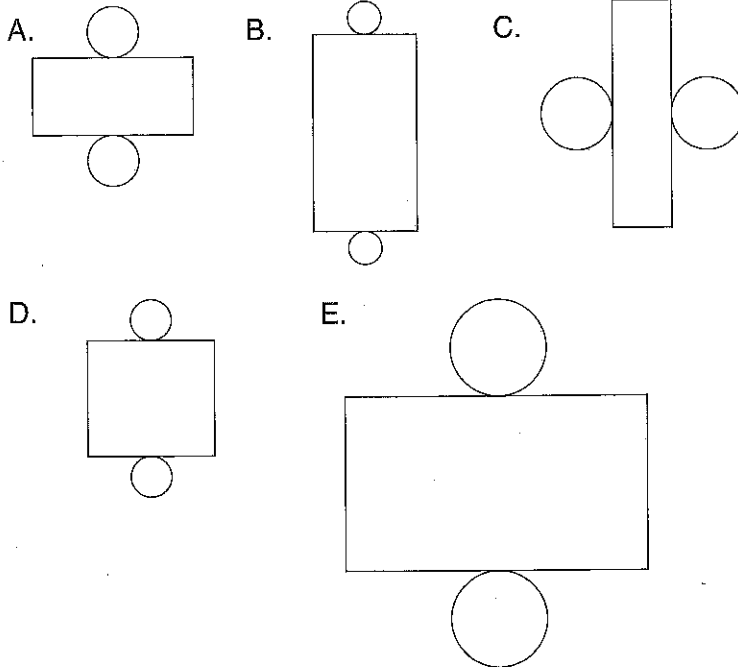


11.1

Exploring Cylinders

► **GOAL:** Explore the relationship between the dimensions of a cylinder and the dimensions of its net.

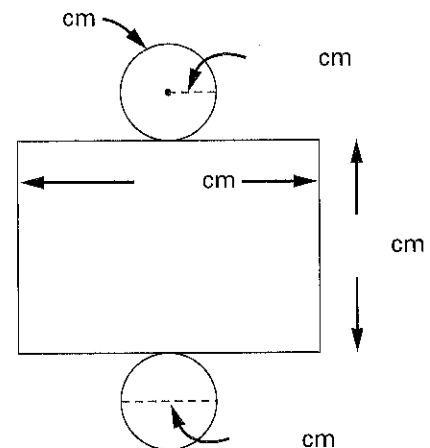
1. Several nets of cylinders are shown below.



a) Put the cylinders in order from the tallest to the shortest.

b) Put the cylinders in order from the widest to the narrowest.

2. The base of a cylinder has a diameter of 10 cm and a circumference of 31.4 cm. The height of the cylinder is 22 cm. Use these dimensions to fill in the missing labels in the diagram.



At-Home Help

The curved side of a cylinder has height and width. When the curved side is unrolled into a rectangle, the height of the cylinder becomes the length of the rectangle.

