

# 6 Chapter Test



Find the radius of the circle with the given diameter.

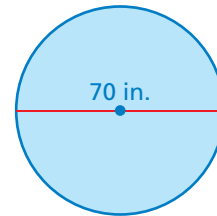
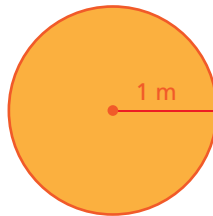
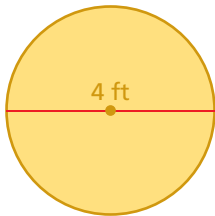
- 10 inches
- 5 yards

Find the diameter of the circle with the given radius.

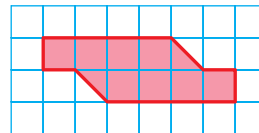
- 34 feet
- 19 meters

Find the circumference and area of the circle. Use 3.14 or  $\frac{22}{7}$  for  $\pi$ .

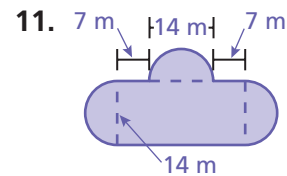
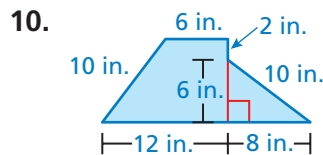
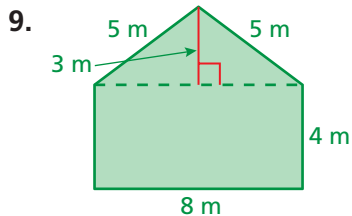
- diameter of 4 feet
- radius of 1 meter
- diameter of 70 inches



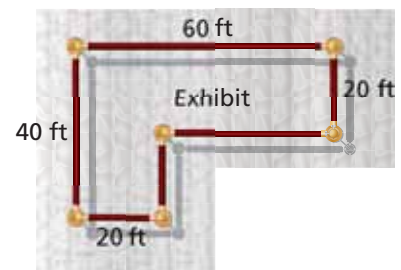
- Each square on the grid is 1 square inch. Estimate the perimeter of the figure. Then find the area.



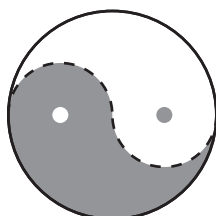
Find the perimeter and area of the figure. Use 3.14 or  $\frac{22}{7}$  for  $\pi$ .



- MUSEUM** A museum plans to rope off the perimeter of the L-shaped exhibit. How much rope is needed?



- ANIMAL PEN** You unfold chicken wire to make a circular pen with a diameter of 2.9 meters. How many meters of chicken wire do you need?



- YIN AND YANG** In the Chinese symbol for yin and yang, the dashed curve shows two semicircles formed by the curve separating the yin (dark) and yang (light). Is the circumference of the entire yin and yang symbol *less than*, *greater than*, or *equal to* the perimeter of the yin?