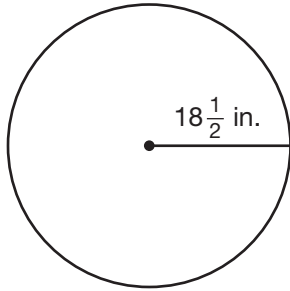


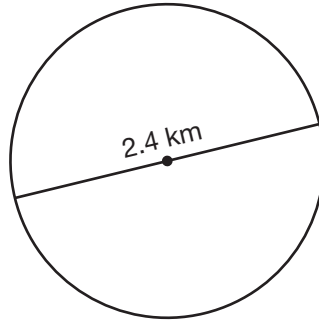
Area of a Circle

Find the area of each circle to the nearest whole number.
Use 3.14 or $\frac{22}{7}$ for π .

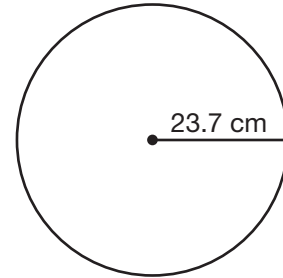
1.



2.



3.



4. $d = 14$ in.

5. $r = 11.25$ cm

6. $d = 2$ mi

Brian's dad wants to put a circular pool in their backyard. He can choose between pools with diameters of 15 ft, 17 ft, or 22 ft. Round to the nearest square foot.

7. How many more square feet would the 17 ft pool use than the 15 ft pool?

8. How many more square feet would the 22 ft pool use than the 17 ft pool?

9. On a water ride at the amusement park, a rotating valve sprays water for 15 ft in all directions. What is the area of the circular wet patch it creates?

A 30 ft^2

B 31.4 ft^2

C 94.2 ft^2

D 706.5 ft^2

10. **Writing to Explain** Explain how to find the radius of a circle with an area of 50.24 mi.

