

Solve the problems below using your knowledge of circumference and area concepts. Use 3.14 for Pi.

1. If the radius of a circle is 3.5 in, then what is its diameter? $d = 7 \text{ in}$
2. If the diameter of a circle is 9 cm, then what is its radius? $r = 4.5 \text{ cm}$
3. What is the circumference of a circle if its diameter is 7 ft? $C = 21.98 \text{ ft}$
4. What is the area of a circle if its radius is 5 cm? $A = 78.5 \text{ cm}^2$
5. If the circumference of a circle is 25.12 in, then what is its diameter? $d = 8 \text{ in}$
6. If the area of a circle is 50.24 in^2 , then what is its radius? $r = 4 \text{ in}$
7. Find the circumference of a circle if its radius is 4.9 m. $C = 30.772 \text{ m}$
8. Find the area of a circle if its diameter is 8 cm. $A = 50.24 \text{ cm}^2$
9. The distance around a bicycle wheel is 113.04 in. What is its diameter? $d = 36 \text{ in}$
10. The area of a compact disc is 78.5 cm^2 . What is its radius? $r = 5 \text{ cm}$
11. The circumference of a dinner plate is 47.1 in. What is its radius? $r = 7.5 \text{ in}$
12. The area of a CD-ROM label is 113.04 cm^2 . What is its radius? $r = 6 \text{ cm}$