

# Circumference and Area of a Circle *fluency*



Find the circumference. Give your answer to 1 decimal place.

1 radius 4 cm

2 radius 7 cm

3 diameter 10 cm

4 diameter 3 cm

5 radius 2.5 cm

6 diameter 18 cm



Find the area. Give your answer to 1 decimal place.

7 radius 3 cm

8 radius 6 cm

9 radius 1.5 cm

10 radius 10 cm

11 radius 4.2 cm

12 radius 0.8 cm



Find the area. Give your answer to 1 decimal place.

13 diameter 8 cm

14 diameter 5 cm

15 diameter 15 cm

16 diameter 3.6 cm

17 diameter 16 cm

18 diameter 9 cm



Find each in terms of  $\pi$ .  $C$  is the circumference,  $A$  the area,  $r$  the radius,  $d$  the diameter.

19  $C$  when  $r = 5$  cm

20  $C$  when  $d = 12$  cm

21  $A$  when  $r = 3$  cm

22  $A$  when  $d = 10$  cm

23  $C$  when  $r = 1.5$  cm

24  $A$  when  $d = 7$  cm



Find the radius to 1 decimal place.  $C$  is the circumference,  $A$  the area.

25  $C = 30$  cm

26  $C = 50$  cm

27  $A = 100$  cm<sup>2</sup>

28  $A = 20$  cm<sup>2</sup>

29  $C = 12.5$  cm

30  $A = 314$  cm<sup>2</sup>