



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

1 radius 4 cm
 25.1 cm

2 radius 7 cm
 44.0 cm

3 diameter 10 cm
 31.4 cm

4 diameter 3 cm
 9.4 cm

5 radius 2.5 cm
 15.7 cm

6 diameter 18 cm
 56.5 cm



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

7 radius 3 cm
 28.3 cm^2

8 radius 6 cm
 113.1 cm^2

9 radius 1.5 cm
 7.1 cm^2

10 radius 10 cm
 314.2 cm^2

11 radius 4.2 cm
 55.4 cm^2

12 radius 0.8 cm
 2.0 cm^2



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

13 diameter 8 cm
 50.3 cm^2

14 diameter 5 cm
 19.6 cm^2

15 diameter 15 cm
 176.7 cm^2

16 diameter 3.6 cm
 10.2 cm^2

17 diameter 16 cm
 201.1 cm^2

18 diameter 9 cm
 63.6 cm^2



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

19 C when $r = 5 \text{ cm}$
 $10\pi \text{ cm}$

20 C when $d = 12 \text{ cm}$
 $12\pi \text{ cm}$

21 A when $r = 3 \text{ cm}$
 $9\pi \text{ cm}^2$

22 A when $d = 10 \text{ cm}$
 $25\pi \text{ cm}^2$

23 C when $r = 1.5 \text{ cm}$
 $3\pi \text{ cm}$

24 A when $d = 7 \text{ cm}$
 $12.25\pi \text{ cm}^2$



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

25 $C = 30 \text{ cm}$
 4.8 cm

26 $C = 50 \text{ cm}$
 8.0 cm

27 $A = 100 \text{ cm}^2$
 5.6 cm

28 $A = 20 \text{ cm}^2$
 2.5 cm

29 $C = 12.5 \text{ cm}$
 2.0 cm

30 $A = 314 \text{ cm}^2$
 10.0 cm