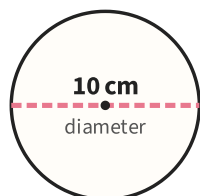


Circumference of a Circle

1

Work out the circumference to 1 decimal place.



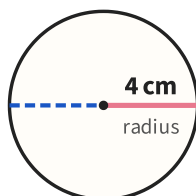
$$d = 10 \text{ cm}$$

$$\pi \times 10 = 31.41592654$$

$$C = 31.4 \text{ cm}$$

2

Work out the circumference to 1 decimal place.



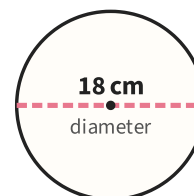
$$d = 4 \times 2 = 8 \text{ cm}$$

$$\pi \times 8 = 25.13274123$$

$$C = 25.1 \text{ cm}$$

3

Work out the circumference to 1 decimal place.



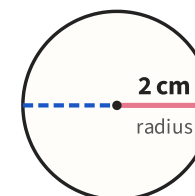
$$d = 18 \text{ cm}$$

$$\pi \times 18 = 56.54866776$$

$$C = 56.5 \text{ cm}$$

4

Work out the circumference to 1 decimal place.



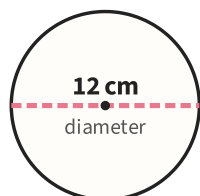
$$d = 2 \times 2 = 4 \text{ cm}$$

$$\pi \times 4 = 12.56637061$$

$$C = 12.6 \text{ cm}$$

5

Work out the circumference to 1 decimal place.



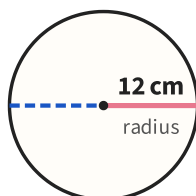
$$d = 12 \text{ cm}$$

$$\pi \times 12 = 37.69911184$$

$$C = 37.7 \text{ cm}$$

6

Work out the circumference to 1 decimal place.



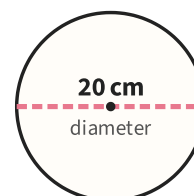
$$d = 12 \times 2 = 24 \text{ cm}$$

$$\pi \times 24 = 75.39822369$$

$$C = 75.4 \text{ cm}$$

7

A round clock face has a diameter of 20 cm. Work out its circumference to 1 decimal place.



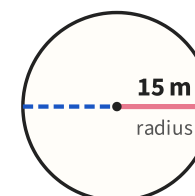
$$d = 20 \text{ cm}$$

$$\pi \times 20 = 62.83185307$$

$$C = 62.8 \text{ cm}$$

8

A round pond has a radius of 15 m. Work out its circumference to 1 decimal place.



$$d = 15 \times 2 = 30 \text{ m}$$

$$\pi \times 30 = 94.24777961$$

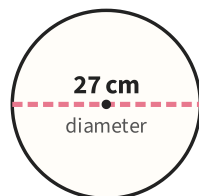
$$C = 94.2 \text{ m}$$

Circumference of a Circle *further practice*

ANSWERS 

9

Work out the circumference to 1 decimal place.



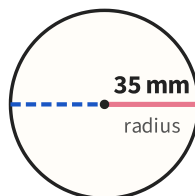
$$d = 27 \text{ cm}$$

$$\pi \times 27 = 84.82300165$$

$$C = 84.8 \text{ cm}$$

10

Work out the circumference to 1 decimal place.



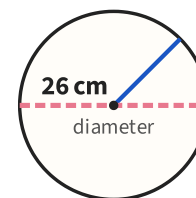
$$d = 35 \times 2 = 70 \text{ mm}$$

$$\pi \times 70 = 219.9114858$$

$$C = 219.9 \text{ mm}$$

11

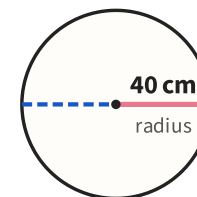
A circle has a diameter of 26 cm. Work out its radius.



$$r = 26 \div 2 = 13 \text{ cm}$$

12

A round table has a radius of 40 cm. Work out its circumference to 1 decimal place.



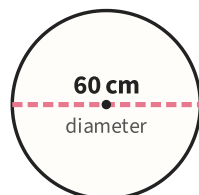
$$d = 40 \times 2 = 80 \text{ cm}$$

$$\pi \times 80 = 251.3274123$$

$$C = 251.3 \text{ cm}$$

13

A bike wheel has a diameter of 60 cm. How far does the bike go in one turn of the wheel?

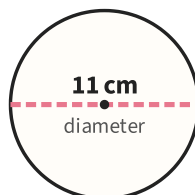


$$\pi \times 60 = 188.4955592$$

Answer 188.5 cm

14

A circle has a diameter of 11 cm. Is its circumference more than 30 cm?



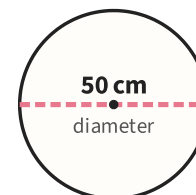
$$\pi \times 11 = 34.55751919$$

34.6 cm is more than 30 cm

Answer Yes, 34.6 cm

15

A wheel has a diameter of 50 cm. It turns 2 times. How far does it go?



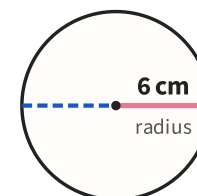
$$\pi \times 50 = 157.0796327$$

$$157.1 \times 2 = 314.2$$

Answer 314.2 cm

16

A circle has a radius of 6 cm. Sam writes $\pi \times 6 = 18.8$ cm. What has he done wrong?



Sam should use 12, not 6

Right answer $\pi \times 12 = 37.7$ cm