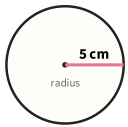


Circumference and Area of a Circle



1

Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.



$$C = \pi \times d \quad A = \pi \times r^2$$

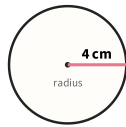
$$C = \pi \times d = \pi \times 10$$

$$A = \pi \times r^2 = \pi \times 5^2$$

Answer _____

2

Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.



$$C = \pi \times d \quad A = \pi \times r^2$$

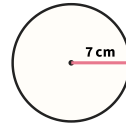
$$C = \pi \times d = \pi \times 8$$

$$A = \pi \times r^2$$

Answer _____

3

Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.

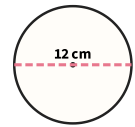


$$C = \pi \times d \quad A = \pi \times r^2$$

Answer _____

4

Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.

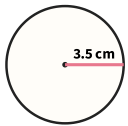


$$C = \pi \times d \quad A = \pi \times r^2$$

Answer _____

5

Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.

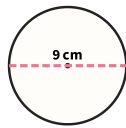


$$C = \pi \times d \quad A = \pi \times r^2$$

Answer _____

6

Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.



$$C = \pi \times d \quad A = \pi \times r^2$$

Answer _____

7

A bike wheel has a diameter of 60 cm. How far does the bike travel in 10 turns of the wheel? Give your answer in metres to 1 decimal place.

Answer _____

8

A circle has a circumference of 31.4 cm. Find its radius to the nearest centimetre.

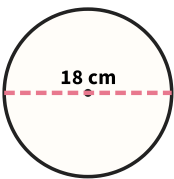
Answer _____

Circumference and Area of a Circle *further practice*



9

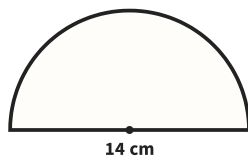
Work out (a) the circumference and (b) the area. Give your answers to 1 decimal place.



Answer _____

10

Work out the area of this semicircle. Give your answer to 1 decimal place.



Answer _____

11

A round table has a diameter of 1.2 m. A ribbon goes once round its edge. How long is the ribbon? Give your answer to 1 decimal place.

Answer _____

12

A circle has an area of 78.5 cm². Work out its radius. Give your answer to 1 decimal place.

Answer _____

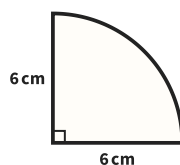
13

Sam has a strip of card 32 cm long. Is it long enough to go once round a circle with a radius of 5 cm? Show how you know.

Answer _____

14

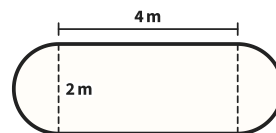
Work out the perimeter of this quarter circle. Give your answer to 1 decimal place.



Answer _____

15

A pond is a rectangle with a semicircle on each end. Work out its area. Give your answer to 1 decimal place.



Answer _____

16

Mo works out the area of a circle with a diameter of 10 cm. He writes $\pi \times 10^2 = 314.2 \text{ cm}^2$. Explain Mo's mistake and find the right area.

Answer _____