

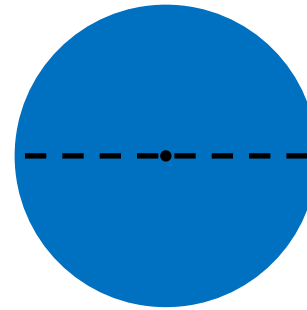
YR6 Knowledge Organiser - Circles

Key Concepts

- Illustrate and name parts of circles and know that the diameter is twice the radius

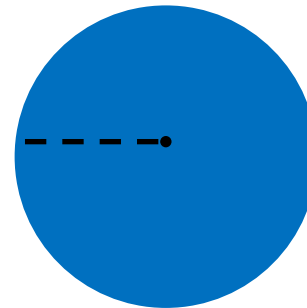
Key Vocabulary

- circle
- radius
- diameter
- circumference



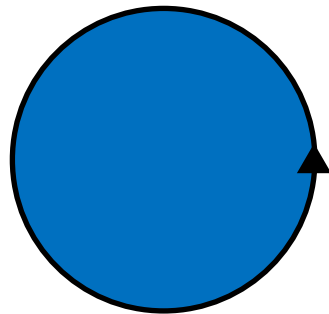
diameter

The diameter is the distance from one side to the opposite side of a circle, with the line passing directly through its centre point.



radius

The radius is the distance from one side of a circle to its centre point.



circumference

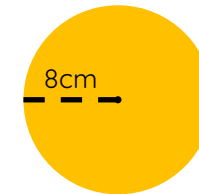
The circumference is the distance around the outside of a circle.

Calculating with Circles

The diameter of a circle is twice the size of its radius. The radius is half the size of its diameter.

Formulae can be used when calculating:

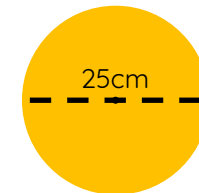
$$d = 2r \text{ or } r = d \div 2$$



$$r = 8\text{cm}$$

The diameter is twice the size of the radius.

$$d = 2 \times 8\text{cm} = 16\text{cm}$$



$$d = 25\text{cm}$$

The radius is half the size of the diameter.

$$r = 25\text{cm} \div 2 = 12.5\text{cm}$$

