



Key Vocabulary

π

Pronounced 'pie' it is the ratio between the circumference (C) of a circle and its diameter. It is always equal to 3.14 (2d.p)

θ

Pronounced 'Theta' it is the Greek symbol used to represent angles.

Circumference (C) - Curved outside distance around the circle.

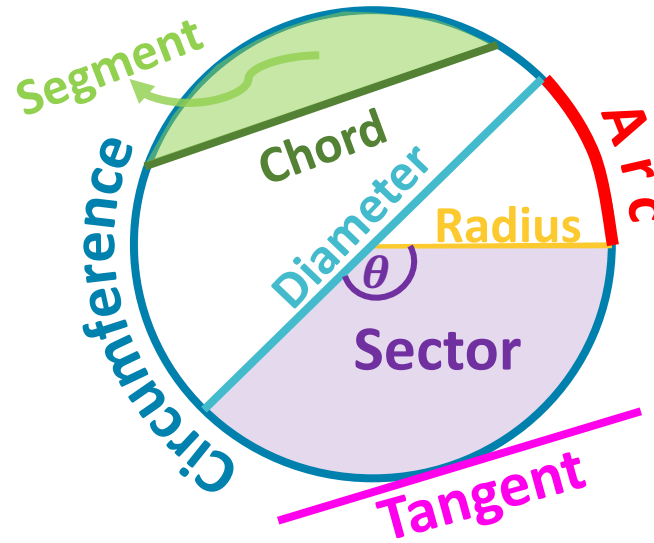
Area (A) - The measurement of space inside a 2D shape.

Volume - The measurement of Space inside a 3D shape.

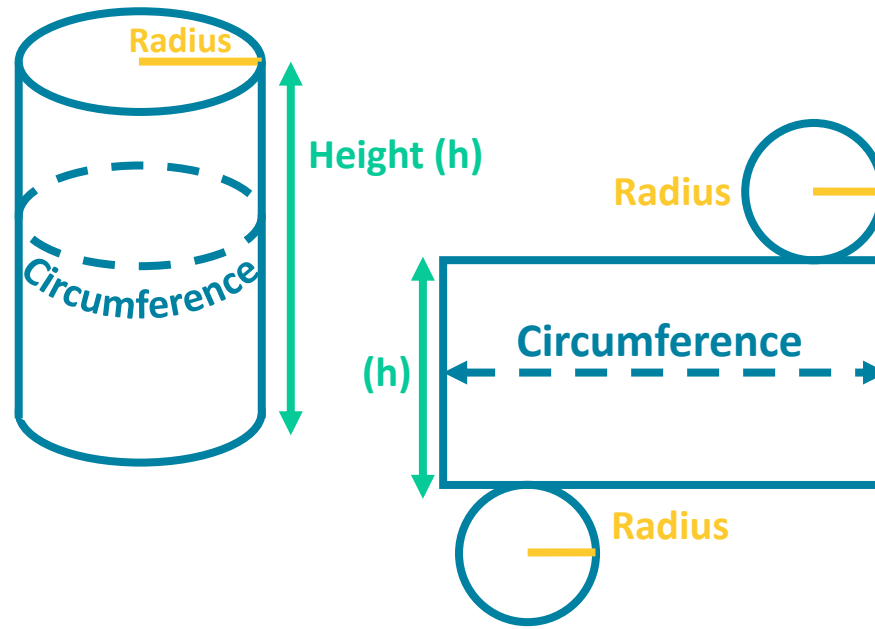
Surface Area - The area of each face added together.

The **Radius** of a circle is exactly half of the **Diameter**.

Parts of a Circle



Parts of a Cylinder



Circle Formula

Circles

$$A = \pi r^2$$

$$C = \pi D$$

Sectors

$$A = \pi r^2 \times \frac{\theta}{360}$$

$$C = \pi D \times \frac{\theta}{360} + 2r$$

Cylinder Formula

Volume

$$V = \pi r^2 h$$

Surface Area

$$S.A = 2\pi r^2 + 2\pi r h$$