

Circle theorems: Definitions

Fill in the gaps in the following definitions.

Note: Subtended means 'to be opposite to'.

Arrowhead:

The angle made at the **centre** is twice the angle made at the **circumference**.

Bow:

Angles made at the **circumference** sharing the same arc are **equal**.

Triangle:

The angle subtended on the **diameter** of the circle is always a right angle.

Quadrilateral:

Opposite angles on a **cyclic** quadrilateral add up to **180°**.

Tangent angle:

The angle between a **tangent** and the radius drawn to meet it is **90°**.

Tangent length:

Any two **tangents** meeting at the same point are **equal** in length.