

Angles at a Point



Aim

- I can recognise angles where they meet at a point and find missing angles.

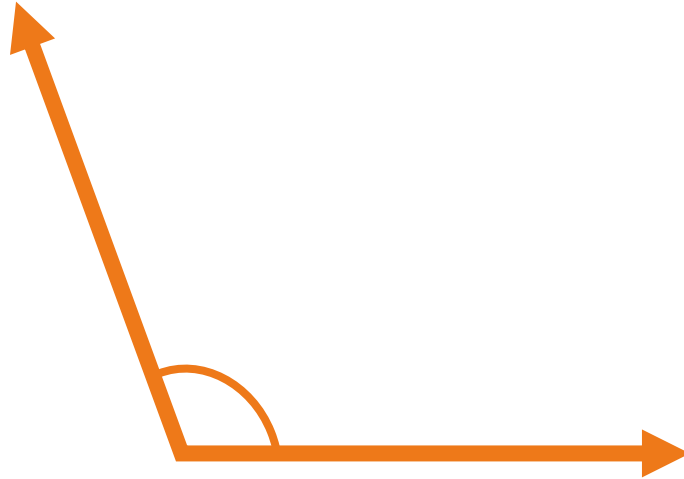
Success Criteria

- I know that angles at a point total 360° .
- I can label angles correctly using capital letters.
- I can find missing angles at a point.

Types of Angle



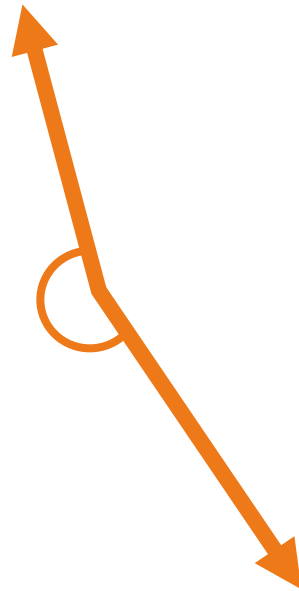
Obtuse



Types of Angle



Reflex

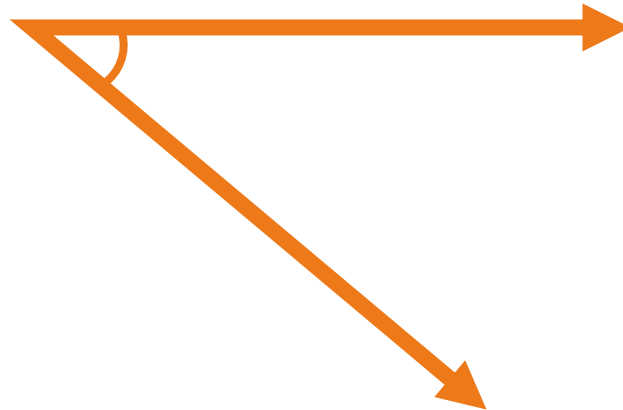


Types of Angle



Is the angle shown acute, obtuse or reflex?

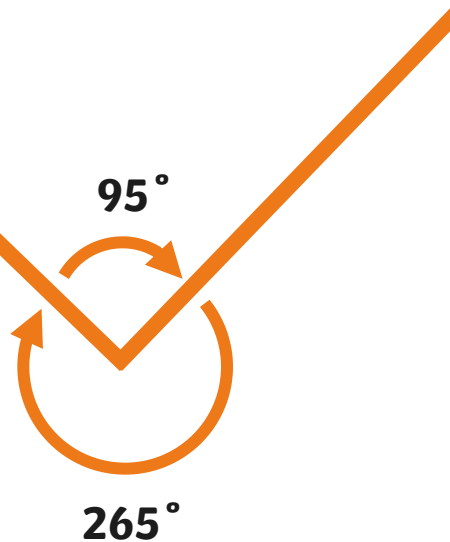
Acute



Angles at a Point

An angle is created when two straight lines meet at a point.

Angles at a point
total 360° .

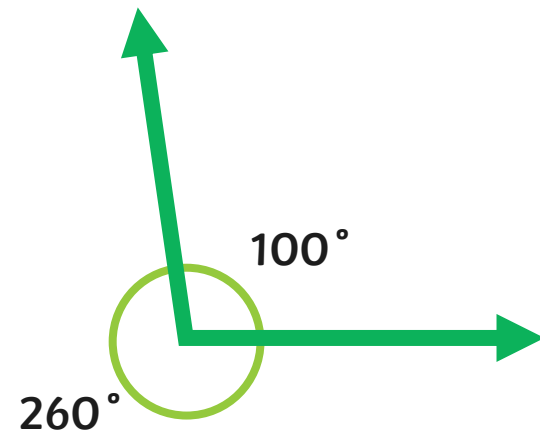
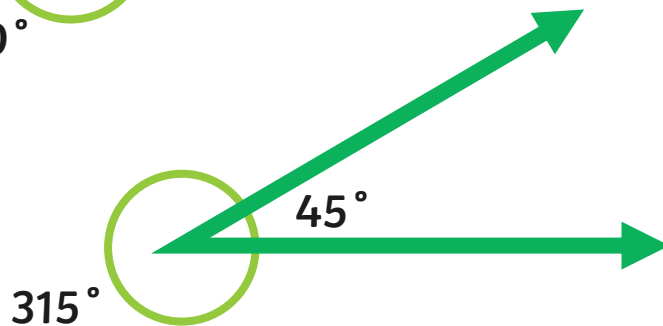
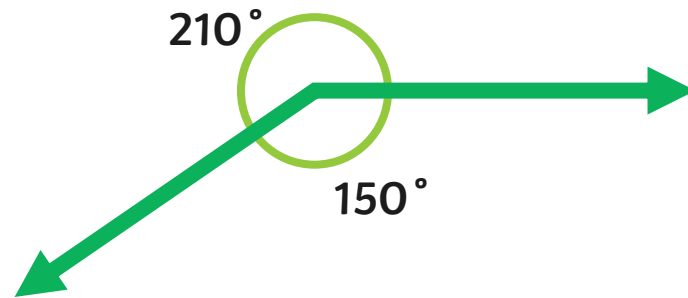
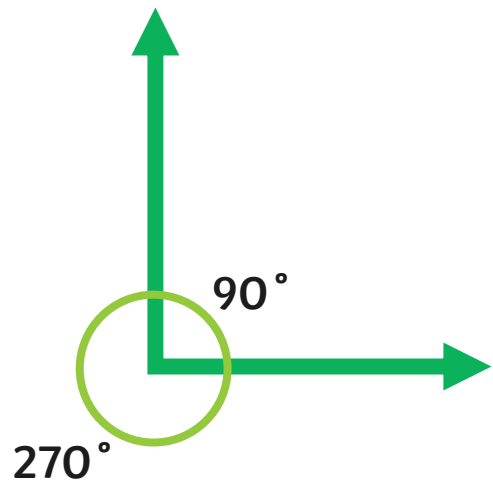


An angle is the measure of rotation from one line to the other either clockwise or anticlockwise.

360° Angles



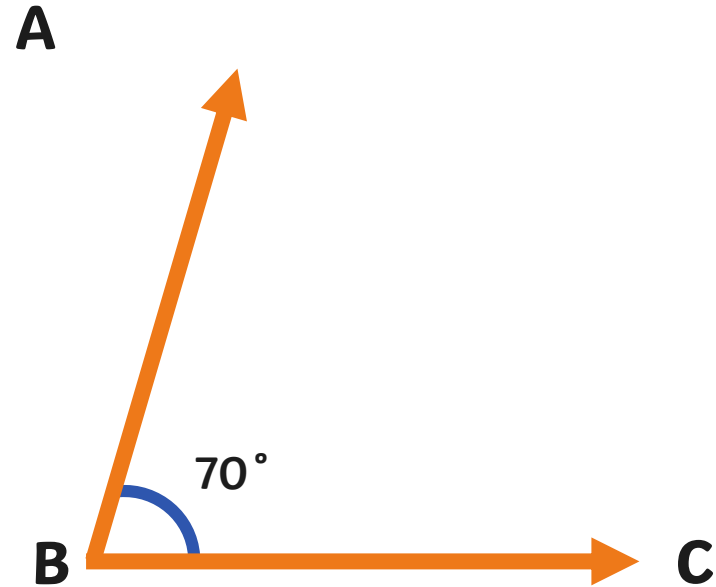
Did you find the pairs of angles that total 360° around a point?



Labelling Angles

Label an angle using three uppercase, consecutive letters. The first and third letters indicate the two lines (arms) of the angle, and the middle letter indicates the point (vertex).

To refer to an angle we use the symbol \sphericalangle and the letter of the vertex, or the three letters with the vertex letter in the middle.



$$\sphericalangle B = 70^\circ$$

or

$$\sphericalangle ABC = 70^\circ$$