

Properties of Shape

Knowledge Organiser

Identifying Angles

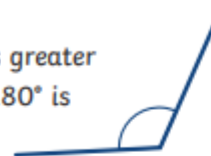
Acute Angles

Any angle that measures less than 90° is called an **acute** angle.



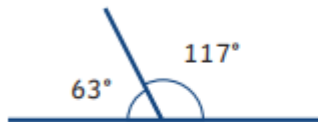
Obtuse Angles

Any angle that measures greater than 90° and less than 180° is called an **obtuse** angle.

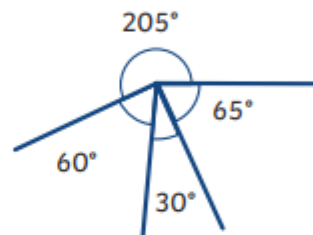


Reflex Angles

Any angle that measures greater than 180° is called a **reflex** angle.



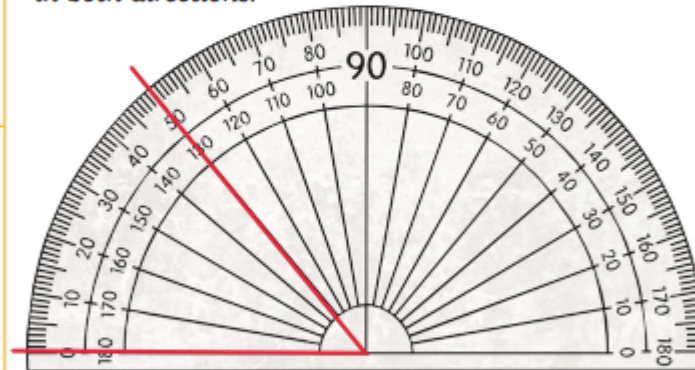
Angles on a straight line always total 180° .



Angles around a point always total 360° .

Measuring and Drawing Angles

To measure angles, we use a protractor. Look carefully at how the numbers on the scale count from 0° to 180° in both directions.



Multiples of 90° can be used as descriptions of a turn.



$$\frac{1}{4} \text{ turn} = 90^\circ$$



$$\frac{1}{2} \text{ turn} = 180^\circ$$

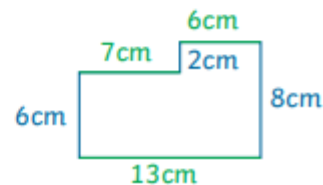


$$\frac{3}{4} \text{ turn} = 270^\circ$$



$$1 \text{ turn} = 360^\circ$$

Using Properties of Rectangles



$$6\text{cm} + 2\text{cm} = 8\text{cm}$$

$$7\text{cm} + 6\text{cm} = 13\text{cm}$$