



## Maths Facts

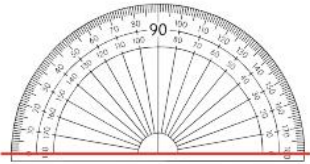
### Year 5 – Summer 2

Angles on a straight line, around a point and in a triangle

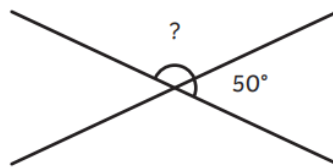
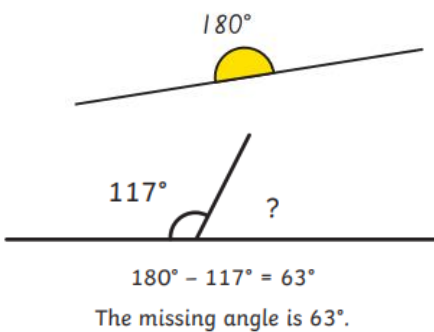
By the end of this half term, children should know there are 180 degrees on a straight line and in a triangle, and 360 degrees around a point

#### Straight Angle

A straight angle is exactly  $180^\circ$



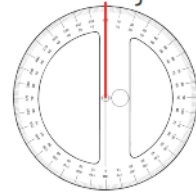
Here is an example of a straight angle:



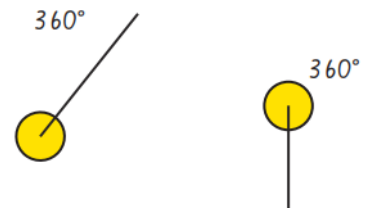
The two known opposite angles total  $100^\circ$ .  
 $360^\circ - 100^\circ = 260^\circ$   
 $260^\circ \div 2 = 130^\circ$   
The missing angle is  $130^\circ$ .

#### Revolution Angle

A revolution angle is a full turn and measures exactly  $360^\circ$



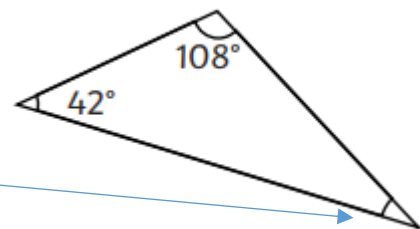
Here are some examples of revolution angles:



#### Angles in a triangle = $180^\circ$

$$\text{So } 108^\circ + 42^\circ = 150^\circ$$

$$180^\circ - 150^\circ = 30^\circ$$



#### TOP TIPS

Little and often is the way to practice – try to practice in the car or walking to school.

Some games ideas to help recall the units of time

[Artistic Angles \(educationcity.com\)](https://www.educationcity.com/)

[Year 5 Angles on a Straight Line Game | Classroom Secrets Kids](#)

[Year 5 Angles Around a Point Game | Classroom Secrets Kids](#)