

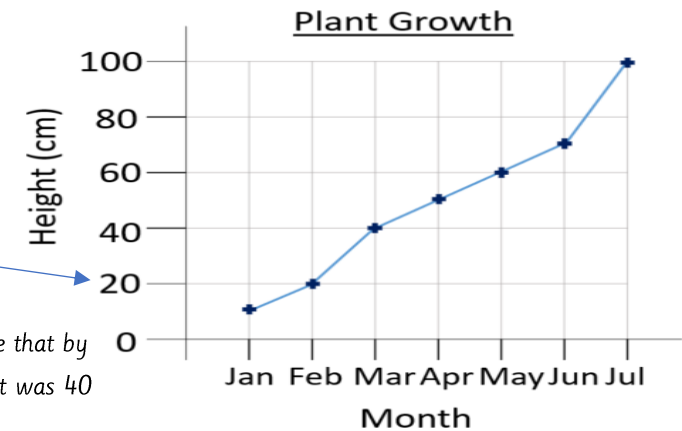
# Year 4 Red Kites Mathematics Summer 2

## Statistics Geometry Properties of Shape

	Key Vocabulary	Definition
Shape	angles	An angle is formed where two lines meet.
	polygon	Flat, closed, 2D shape with straight sides.
	quadrilaterals	A quadrilateral shape is a polygon with 4 sides.
	symmetry	Something is symmetrical when it is identical on both sides.
	triangle	A three-sided shape with angles that total 180 degrees
	turn	Move in a circular direction, wholly or partly around an axis or point. The turn can be clockwise or anticlockwise.
Position & Direction	axis	The x-axis is a horizontal number line and the y-axis is a vertical number line.
	co-ordinates	A way of describing the position of a shape.
	horizontal	A line that is lying flat in the same way as the horizon is flat.
	origin	Where both x and y are equal to zero, and the x-axis and the y-axis intersect.
	plot	To draw on a graph.
	translate	When a shape moves horizontally or vertically.
	vertical	A line that rises straight up and down.
	Statistics	comparison
data	Information that is represented on graphs.	
difference	Subtract the smaller value from the larger to find the difference.	
interpret	To read and understand data.	
line graphs	A graph that represents information which changes over time. e.g. temperature.	
sum	The result of adding two or more numbers together	

### Line Graphs

Numerical data- this is the data you are collecting

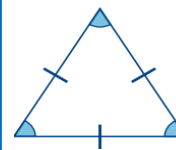


Here we can see that by March, the plant was 40 cm tall.

### Triangles

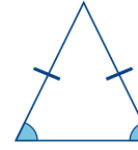
Triangles have 3 straight sides and 3 vertices. The sum of the angles in a triangle is 180°.

#### Equilateral



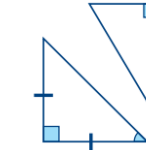
An equilateral triangle is a regular polygon. It has sides of equal length and each angle is 60°.

#### Isosceles



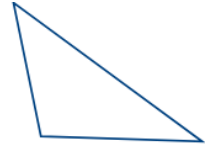
An isosceles triangle has two sides of equal length and two angles of equal size.

#### Right-Angled



A right-angled triangle always has one 90° angle. It can sometimes be isosceles or scalene.

#### Scalene



A scalene triangle has no equal sides or angles.

### Right Angles

The intersection of perpendicular lines creates a right angle.



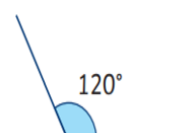
### Acute Angles

Any angle measuring more than 0° but less than 90°.



### Obtuse Angles

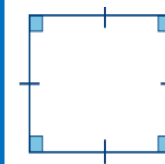
Any angle measuring more than 90° but less than 180°.



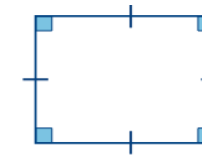
### Quadrilateral Shapes

A quadrilateral is a polygon with four sides.

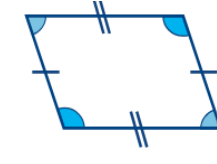
#### Square



#### Rectangle



#### Parallelogram



#### Trapezium

