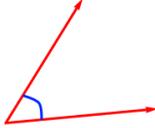
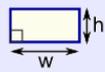
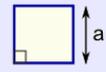
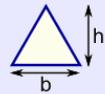
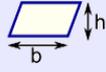
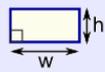
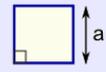
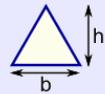
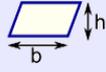
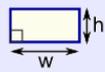
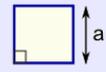
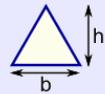
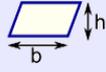
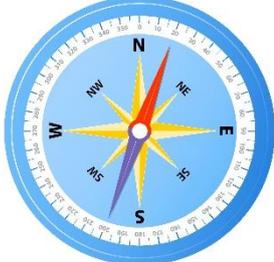
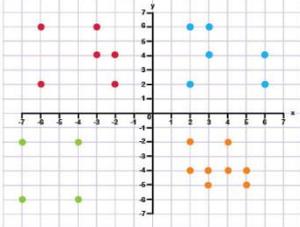
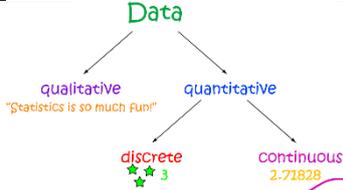
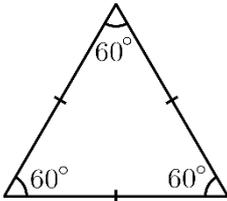
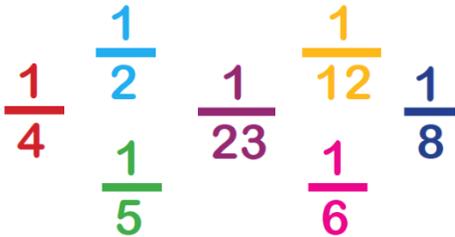
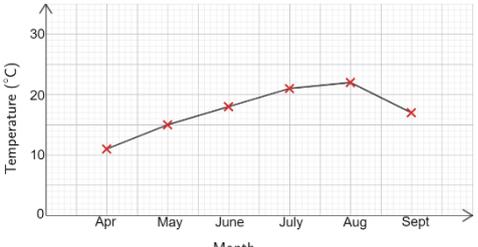
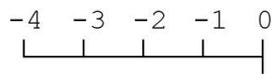


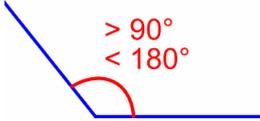
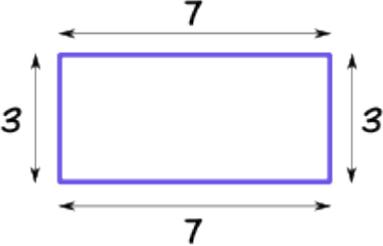
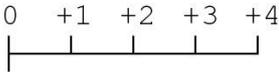
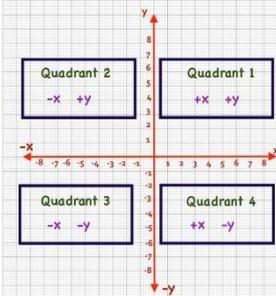
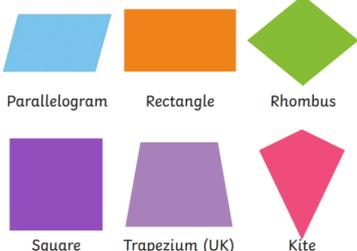
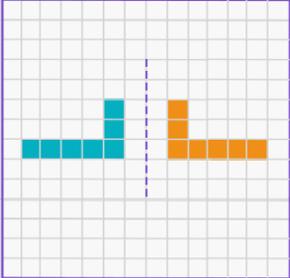
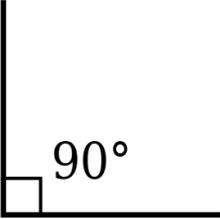
Y4 Glossary

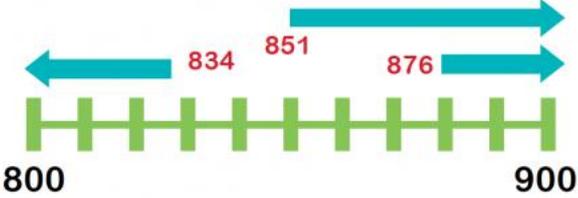
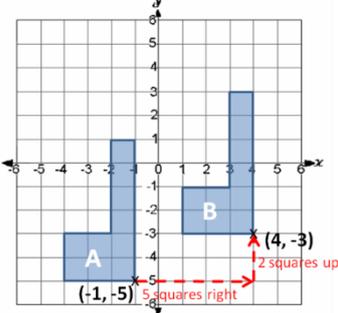
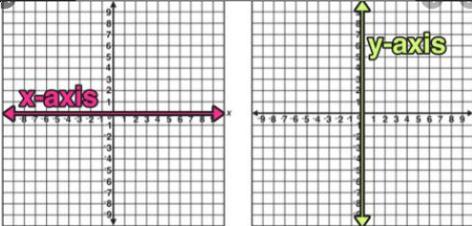
Below are all the new terms that Y4 children will learn in Maths this year.

<p>Acute Angle</p>	<p>An angle which is less than 90 degrees.</p>	 <p>Acute angle</p>								
<p>Area</p>	<p>The amount of square units inside a shape. There are different formulas for different shapes.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">  </td> <td style="width: 25%;"> <p>Rectangle Area = $w \times h$ w = width h = height</p> </td> <td style="width: 25%; text-align: center;">  </td> <td style="width: 25%;"> <p>Square Area = a^2 a = length of side</p> </td> </tr> <tr> <td style="text-align: center;">  </td> <td> <p>Triangle Area = $\frac{1}{2} \times b \times h$ b = base h = vertical height</p> </td> <td style="text-align: center;">  </td> <td> <p>Parallelogram Area = $b \times h$ b = base h = vertical height</p> </td> </tr> </table>		<p>Rectangle Area = $w \times h$ w = width h = height</p>		<p>Square Area = a^2 a = length of side</p>		<p>Triangle Area = $\frac{1}{2} \times b \times h$ b = base h = vertical height</p>		<p>Parallelogram Area = $b \times h$ b = base h = vertical height</p>
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	<p>Triangle Area = $\frac{1}{2} \times b \times h$ b = base h = vertical height</p>		<p>Parallelogram Area = $b \times h$ b = base h = vertical height</p>							
<p>Compass</p>	<p>A tool for finding direction.</p>									
<p>Consecutive</p>	<p>Following one another in order without any gaps.</p>	<p>1, 2, 3, 4, 5</p> <p>8, 9, 10, 11</p> <p>23, 24, 25, 26</p>								
<p>Continuous Data</p>	<p>Quantitative data which can be measured. It has an infinite number of possible values within a range.</p>	<p style="text-align: center;">Data</p> <pre> graph TD Data --> Qual[qualitative "Statistics is so much Fun!"] Data --> Quant[quantitative] Quant --> Discrete[discrete 3] Quant --> Continuous[continuous 2.71828] </pre>								
<p>Convert</p>	<p>To change from one unit to another.</p>	<p style="text-align: center;">Measurement conversions</p> <p style="text-align: center;">Weight</p> <p>1 tonne = 1000 kilograms</p> <p>1 kilogram = 1000 grams</p> <p>1 gram = 1000 milligrams</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>t</p> <p>kg</p> <p>g</p> <p>mg</p> </div> 								

Coordinates	Numbers which determine the position of a point or shape in a map or graph.	
Decimal Point	The dot that separates the ones from the tenths.	
Decimal Places	If a number has tenths and hundredths it has two decimal places.	
Degree	A unit of angle measurement.	
Discrete Data	Quantitative data which can be counted.	
Equilateral Triangle	A triangle which has all three sides equal. All of the angles are also equal at 60 degrees each.	
Fraction	A part of a whole number and a way to split up a number in to equal parts. A fraction has a numerator on top and a denominator on the bottom.	

<p>Integer</p>	<p>Positive numbers, negative numbers and zero. Integers do not have any added parts such as decimals or fractions.</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Integer Number Line</p> <p>Negative Integers Positive Integers</p>  <p>Zero is neither positive nor negative</p> </div>														
<p>Inverse</p>	<p>A mathematical operation that is in opposite effect to another.</p>	<div style="border: 2px solid green; padding: 5px; text-align: center;"> <p>$6 + _ = 10$</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">$10 + 4 = 14$</td> <td style="padding: 5px;">$10 - 6 = 4$</td> </tr> <tr> <td style="padding: 5px;">$10 - 5 = 5$</td> <td style="padding: 5px;">$10 + 6 = 16$</td> </tr> </table> </div>	$10 + 4 = 14$	$10 - 6 = 4$	$10 - 5 = 5$	$10 + 6 = 16$										
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$10 - 5 = 5$	$10 + 6 = 16$															
<p>Line Graph</p>	<p>A graph with points connected by lines to show how something changes over time.</p>	<p style="text-align: center;">Monthly Average Temperatures, April to September</p>  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <caption>Monthly Average Temperatures (°C)</caption> <thead> <tr> <th>Month</th> <th>Temperature (°C)</th> </tr> </thead> <tbody> <tr><td>Apr</td><td>11</td></tr> <tr><td>May</td><td>15</td></tr> <tr><td>June</td><td>18</td></tr> <tr><td>July</td><td>21</td></tr> <tr><td>Aug</td><td>22</td></tr> <tr><td>Sept</td><td>17</td></tr> </tbody> </table>	Month	Temperature (°C)	Apr	11	May	15	June	18	July	21	Aug	22	Sept	17
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Apr	11															
May	15															
June	18															
July	21															
Aug	22															
Sept	17															
<p>Millennium</p>	<p>A period of 1000 years.</p>	<div style="border: 2px solid green; border-radius: 15px; padding: 10px; text-align: center;"> <p>60 seconds = 1 minute 60 minutes = 1 hour 24 hours = 1 day 7 days = 1 week 52 weeks = 1 year 365 days = 1 year Decade = 10 years Century = 100 years Millennium = 1,000 years</p> </div>														
<p>Negative</p>	<p>A number that is less than zero.</p>															
<p>Noon</p>	<p>12 o'clock in the daytime. We could also say midday.</p>	<p style="text-align: right; font-size: small;">© englishclub.com</p>														

<p>Obtuse Angle</p>	<p>An angle bigger than 90 degrees but smaller than 180 degrees.</p>	 <p>Obtuse Angle</p>
<p>Perimeter</p>	<p>The distance around the outside of a shape. You find this by adding up the lengths of all of the sides.</p>	
<p>Positive</p>	<p>A number that is more than zero.</p>	
<p>Quadrant</p>	<p>Any part of the four parts in which the y-axis and x-axis cross.</p>	
<p>Quadrilaterals</p>	<p>A flat, 2D shape that has four sides and four corners.</p>	 <p>Parallelogram Rectangle Rhombus</p> <p>Square Trapezium (UK) Kite</p>
<p>Reflection</p>	<p>Transforming a shape resulting in a mirror image.</p>	
<p>Right Angle</p>	<p>An angle which is 90 degrees.</p>	 <p>90°</p>

Rounding	Changing to a number that is close to the original number. You can round up or down to the nearest 10, 100, 1000 or 10,000.																														
Square Number	When a number has been multiplied by itself.	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> 2^2 <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td></tr> </table> $2 \times 2 = 4$ </div> <div style="text-align: center;"> 3^2 <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> </table> $3 \times 3 = 9$ </div> <div style="text-align: center;"> 4^2 <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td></tr> </table> $4 \times 4 = 16$ </div> </div>	1	2	3	4	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Translation	Moving a shape into a different position without changing it in any way.																														
y-axis	The line on a graph that is vertical.																														
x-axis	The line on a graph that is horizontal.	