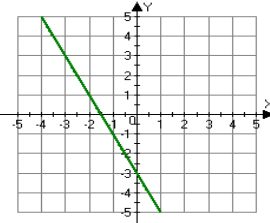
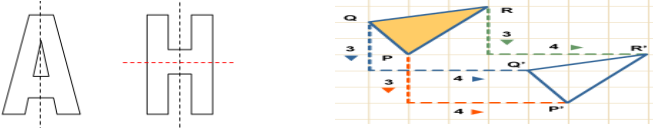
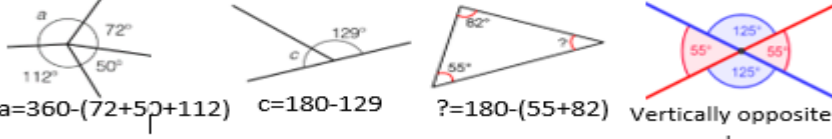



	Topic	Information	Examples	Sparx Clip																																										
1	Plotting graphs and finding equations	<p>Straight line graph.</p> <p>The general equation of a linear graph is $y = mx + c$</p> <p>where m is the gradient and c is the y-intercept.</p>	 <p>$y = -2x - 3$</p>	M618, M208, M797, M932, M544																																										
2	Transforming shapes	<p>A reflection has a line of symmetry. One side of the shape is a mirror image of the other.</p> <p>Translate means to move a shape. The shape does not change size or orientation.</p>	 <p>Reflection</p> <p>Translation</p>	M618, M139, M290																																										
3	Finding unknown angles	<p>Angles around a point sum to 360°</p> <p>Angles on a straight line sum to 180°</p> <p>Angles in a triangle sum to 180°</p> <p>When 2 straight lines cross, vertically opposite angles are equal.</p>	 <p>$a = 360 - (72 + 50 + 112)$ $a = 126$</p> <p>$c = 180 - 129$ $c = 51$</p> <p>$? = 180 - (55 + 82)$ $? = 43$</p> <p>Vertically opposite angles are equal</p>	M818, M163, M351, M679, M319, M606, M393, M653																																										
4	Drawing and interpreting statistical diagrams	<p>A pie chart is one of several chart types that provide a visual representation of all items of data within a data set. The sectors (or slices) of a pie chart are proportional to the different items in the data set.</p> <p>A stem and leaf diagram is a method of organising numerical data based on the place value of the numbers. Each number is split into two parts.</p> <ul style="list-style-type: none"> The first digit(s) form the stem, The last digit forms the leaf. <p>The leaf should only ever contain a single digit.</p>	 <table border="1" data-bbox="1456 1123 1877 1315"> <thead> <tr> <th colspan="2">Key : 2</th> <th colspan="4">0 means 20</th> </tr> <tr> <th>Stem</th> <th>Leaf</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1 4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>3 6 6 7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>0 2 5</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>6 7 7 7 8</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>0 1 3</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Key : 2		0 means 20				Stem	Leaf					0	1 4					1	3 6 6 7					2	0 2 5					3	6 7 7 7 8					4	0 1 3					M331, M818, M695, M328, M934, M841, M940, M574, M165, M140, M183, M648, M210, U854
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