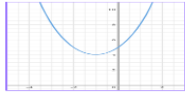
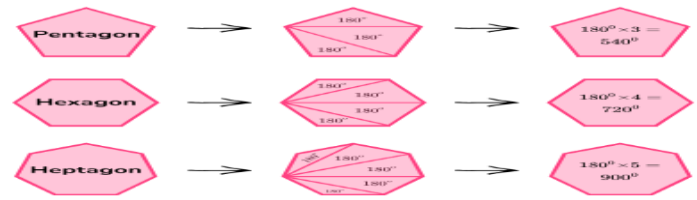
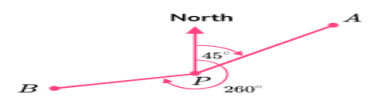

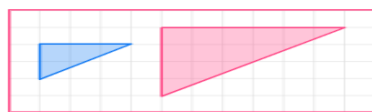
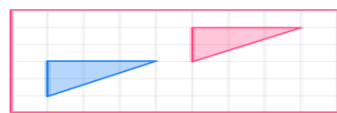


	Topic	Information	Examples	Sparx clip														
1	Plotting and interpreting quadratic graphs	<p>Plotting quadratic graphs is drawing up a table of values for the x and y coordinates, and then plotting these on a set of axes. Quadratic graphs are graphs of quadratic functions - that is, any function which has $2x^2$ as its highest power.</p>	<p>$y = x^2 + 2x + 5$ is a quadratic function.</p> <table border="1" data-bbox="1187 359 1612 422"> <tr> <td>x</td> <td>-3</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>8</td> <td>5</td> <td>4</td> <td>5</td> <td>8</td> <td>13</td> </tr> </table> 	x	-3	-2	-1	0	1	2	y	8	5	4	5	8	13	U585, U741, U989, U667, U601.
x	-3	-2	-1	0	1	2												
y	8	5	4	5	8	13												
2	Angles	<p>Interior angles are the angles within a polygon made by two sides. We can calculate the sum of the interior angles of a polygon by subtracting 2 from the number of sides and then multiplying by 180°. Exterior angles are the angles between a polygon and the extended line from the next side. The sum of the exterior angles of a polygon is always equal to 360°.</p>		U390, U730, U628, U732, U121, U665, U826, U329, U427.														
3	Bearings	<p>Bearings are angles, measured clockwise from north.</p>	<p>The diagram shows three points A, B and P.</p>  <p>The angles are measured clockwise from the north line. The bearing of A from P is 045°. The bearing of B from P is 260°.</p>	U447, U826, U329, U427.														
4	Transforming shapes	<p>Transformations change the size and/or the position of a shape. There are four geometric types of transformations: reflection, enlargement, rotation, translation.</p>		U196, U799, U696, U519, M881														
5	Similarity	<p>Similar shapes are two or more shapes which are the same shape, but different sizes. One shape is an enlargement of the other.</p>	<p>These two triangles are similar.</p> 	U721, U551, U578														
6	Congruence	<p>Congruent shapes are shapes that are the same shape and the same size.</p>	<p>These two triangles are congruent.</p> 	U790, U866, U187														

