

<b>Geometric Reasoning 4.4</b>		Length of unit: <b>2 weeks</b>	Week beg:	Year:4	Teacher:
<b>Success criteria</b>  Pupils can explain the properties of different triangles and quadrilaterals including angles and lines of symmetry.	<b>Prior Learning:</b>  Check that children can already <ul style="list-style-type: none"> <li>• draw 2-D shapes and make 3-D shapes using modelling materials; recognize 3-D shapes in different orientations; and describe them</li> <li>• recognise that angles are a property of shape or a description of a turn</li> <li>• identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle</li> <li>• identify horizontal and vertical lines and pairs of perpendicular and parallel lines</li> <li>• measure the perimeter of simple 2-D shapes</li> </ul>			<b>Resources</b>  Maths vocabulary book  Using and Applying in every maths lesson  Assessment through guided maths  Think Maths!  Pitch and Expectations Y4 and Y5  Mind the Gap (L3 to L4)  Overcoming Barriers to Learning – L3 to 4 and L4 to 5 (available online)  Securing Level 3 and Securing Level 4 documents	
<b>Guidance</b>  Pupils continue to classify shapes using geometrical properties, extending to classifying different triangles (for example isosceles, equilateral, scalene) and quadrilaterals (for example parallelogram, rhombus, trapezium).  Pupils compare and order angles in preparation for using a protractor and compare lengths and angles to decide if a polygon is regular or irregular.					
<b>Learning objectives</b>  <b>Pupils should be taught to:</b>  Geometry: properties of shape <ul style="list-style-type: none"> <li>• compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</li> <li>• identify acute and obtuse angles and compare and order angles up to two right angles by size</li> <li>• identify lines of symmetry in 2-D shapes presented in different orientations.</li> </ul>				<b>Pupil outcomes:</b>  I can sort a group of quadrilaterals to identify which have lines of symmetry that cross at right angles.	