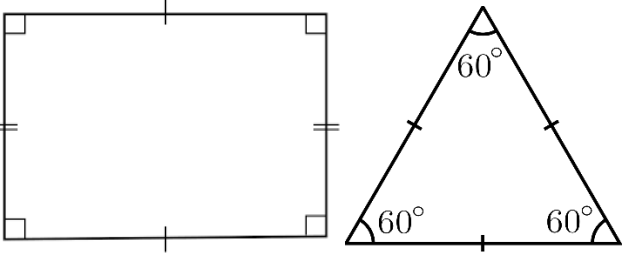




ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE: Shape (Regular/Irregular Polygons – 5LS36, Rectangles – 5LS37) YEAR GROUP: 5

TERM: Summer 1 2021

<p>Vocabulary</p> <p>polygon regular irregular sides angles quadrilateral parallel right angle perimeter area missing side 2D symmetry</p>	<p>Skills</p> <ul style="list-style-type: none">• Identify and classify regular and irregular polygons• Use a protractor to draw angles• Use a protractor to construct regular polygons, given the side lengths• Work backwards, given a perimeter, to calculate missing side lengths of shapes, using taught rules• Work backwards, given an area, to calculate missing side lengths of shapes, using taught rules• Prove that the angles in a full turn around a point total 360 degrees, using facts about the interior angles of shapes• Prove that angles at a point on a straight line (and in two half turns) sum to 180 degrees, using facts about the interior angles of shapes	<p>What we already know</p> <ul style="list-style-type: none">• How to convert between different units of measure• How protractors can be used to draw angles• The angles inside a triangle sum to 180 degrees• The angles inside a square sum to 360 degrees• The angles in a full turn around a point total 360 degrees• Angles at a point on a straight line (and in two half turns) sum to 180 degrees• The area of a rectangle is calculated by finding the product of its length and width• The perimeter of a shape is found by adding <i>all</i> of the side lengths
<p>Illustration</p> 	<p>Application/ Outcomes</p> <ul style="list-style-type: none">• Worded and multi-step problems in real-life scenarios• Rehearsal of missing number problems• Accurate construction of shapes (sides and angles)• Verbal discussions to articulate reasoning and show accurate use of key vocabulary• Shape exploration	<p>Concepts</p> <ul style="list-style-type: none">• Polygons are closed, 'complete' shapes with many straight sides• Regular polygons have side lengths <i>and</i> angles which are the same• Irregular polygons have different side length and angles• Missing side lengths of shapes can be treated as missing number problems when given its area or perimeter• Notation for right angles, parallel lines and lines of equal length