

## Unit 8 - constructions

No.	Question	Answer	Example
8.1	What does equidistant mean?	At equal distances	
8.2	What does perpendicular mean?	At right angles to	
8.3	What does bisector mean?	Cuts in half	
8.4	What is an angle bisector?	Cuts the angle in half	

## Unit 9 – similarity and congruence

No.	Question	Answer	Example
9.1	What is enlargement?	Changes the size of the shape by a scale factor from a centre point	
9.2	What is the scale factor?	What all the sides are multiplied by to get the enlargement	
9.3	What are similar shapes?	Identical in shape, angles are the same but different in size, the ratio between sides is the same	
9.4	What are congruent shapes?	Identical in shape and size	
9.5	What are the four congruency rules?	SSS SAS ASA RHS	
9.6	SSS	Side, side, side (all sides are equal)	
9.7	SAS	Side, Angle, Side	
9.8	ASA	Angle, Side, Angle	
9.9	RHS	Right angle, Hypotenuse, Side	

## Unit 10 – triangles and quadrilaterals

No.	Question	Answer	Example
10.1	What are the properties of an equilateral triangle?	All angles are the same size and all sides are the same length.	
10.2	What are the properties of a scalene triangle?	All angles are different sizes and all sides are different lengths.	
10.3	What are the properties of a right-angled triangle?	Contains one angle of 90°	
10.4	What are the properties of an isosceles triangle?	Has 2 sides of equal length and 2 angles of equal size	
10.5	What are the properties of a square?	<ol style="list-style-type: none"> <li>All of its sides are the same length.</li> <li>All of its angles are equal (90°)</li> <li>It has 2 pairs of parallel sides</li> </ol>	
10.6	What are the properties of a rectangle?	<ol style="list-style-type: none"> <li>Opposite sides are the same length</li> <li>All of its angles are equal (90°)</li> <li>It has 2 pairs of parallel sides</li> </ol>	
10.7	What are the properties of a rhombus?	<ol style="list-style-type: none"> <li>All sides are the same length</li> <li>None of its angles are 90°</li> <li>It has 2 pairs of parallel sides</li> </ol>	
10.8	What are the properties of a parallelogram?	<ol style="list-style-type: none"> <li>Opposite sides are the same length</li> <li>None of its angles are 90°</li> <li>It has 2 pairs of parallel sides</li> </ol>	
10.9	What are the properties of a kite?	<ol style="list-style-type: none"> <li>Adjacent sides are the same length</li> <li>1 pair of opposite angles are equal</li> <li>It has 0 pairs of parallel lines</li> </ol>	
10.10	What are the properties of a trapezium?	<ol style="list-style-type: none"> <li>It has 1 pairs of parallel lines</li> <li>In the special case of an isosceles trapezium it has 1 pair of opposite sides of equal length</li> </ol>	

## Unit 11 - polygons

No.	Question	Answer	Example
11.1	Polygon	Any 2D shape formed with straight lines	
11.2	Regular polygon	A 2D shape formed with equal straight lines and equal interior angles	
11.3	Interior angles	The angles inside a polygon	
11.4	Sum of interior angles	(number of sides – 2) x 180°	
11.5	Exterior angles	The angles outside a polygon	
11.6	Exterior angles...	Sum to 360°	
11.7	Interior and exterior angles...	Sum to 180°	

Date (week commencing)	Numbers to learn
7 <sup>th</sup> Jan	8.1 – 8.4
14 <sup>th</sup> Jan	9.1 – 9.9
21 <sup>st</sup> Jan	8.1 – 9.9
28 <sup>th</sup> Jan	10.1 – 10.10
4 <sup>th</sup> Feb	11.1 – 11.7
11 <sup>th</sup> Feb	8.1 – 11.7