

Date (week commencing)	Numbers to learn
2nd Jan	8.1-9.6
9 th Jan	8.1-9.6
16 th Jan	9.7-10.8
23rd Jan	9.7-10.8
30th Jan	10.8-11.7
6th Feb	10.8-11.7

Learning means...

I am using look >> cover >> write >> check at least twice for this week's facts

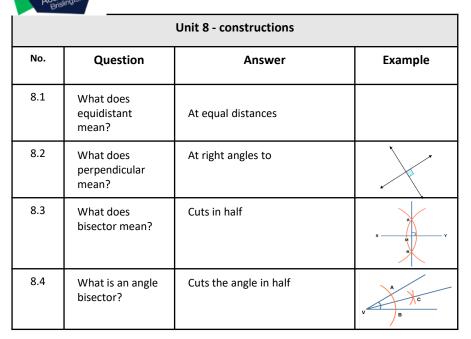
and/or

I made flash cards ("Question" on one side and "Answer" on the other) for the facts and got someone to test me on them at least twice

so that...

I achieve the minimum score of 8/10 on the quiz

Year 9 – Maths – Spring 1



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	15
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)	SSS (Side – Side – Side)
9.7	SAS	Side, Angle ,Side	SAS (Side – Angle – Side) ≅
9.8	ASA	Angle, Side, Angle	ASA (Angle – Side – Angle)
9.9	RHS	Right angle , Hypotenuse, Side	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.	\triangle
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 a isosceles triangle?	Has 2 sides of equal length and 2 angles of equal size	Δ
10.5	What are the properties of a square?	 All of its sides are the same length. All of its angles are equal (90°) It has 2 pairs of parallel sides 	
10.6	What are the properties of a rrectangle?	 Opposite sides are the same length All of its angles are equal (90°) It has 2 pairs of parallel sides 	
10.7	What are the properties of a rhombus?	 All sides are the same length None of its angles are 90° It has 2 pairs of parallel sides 	
10.8	What are the properties of a parallelogram?	 Opposite sides are the same length None of its angles are 90° It has 2 pairs of parallel sides 	<i>E</i> # <i>J</i>
10.9	What are the properties of a kite?	 Adjacent sides are the same length 1 pair of opposite angles are equal It has 0 pairs of parallel lines 	
10.10	What are the properties of a ttrapezium?	 It has 1 pairs of parallel lines In the special case of an isosceles trapezium it has 1 pair of opposite sides of equal length 	

Unit 11 - polygons			
No.	Question	Answer	Example
11.1	Polygon	Any 2D shape formed with straight lines	$\bigcirc \bigcirc \bigcirc$
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	there are a series of the seri
11.4	Sum of interior angles	(number of sides – 2) x 180°	
11.5	Exterior angles	The angles outside a polygon	7
11.6	Exterior angles	Sum to 360°	
11.7	Interior and exterior angles	Sum to 180°	

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