

Unit 9 – plans and elevations		
No.	Question	Answer
9.1	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>plan side front</p> </div> <div style="text-align: center;"> <p>elevation drawings</p> <p>front side top</p> </div> <div style="text-align: center;"> <p>plan drawing</p> <p>net</p> </div> </div>	

Unit 11 – loci		
No.	Question	Answer
11.1	The four tests for congruence are	SSS ASA SAS RASH
11.2	Triangles are <u>similar</u> if...	All angles are the same (AAA) They are an enlargement of each other

Unit 10 – volume and surface area		
No.	Question	Answer
10.1	What is the area of a rectangle?	= length x width
10.2	What is the area of a triangle?	= $\frac{1}{2}$ base x perpendicular height
10.3	What is the area of a trapezium?	$\frac{1}{2}(a + b) \times h$ "Half the sum of the parallel sides times the difference between them"
10.4	What is the area of a parallelogram?	=base x perpendicular height
10.5	What is a prism?	A 3D solid which has the same 2D shape running all the way through it
10.6	What is the volume of a prism?	Area of cross section x length
10.7	How do you find the surface area of a 3D solid?	The sum of the area of all the 2D faces
10.8	What is the volume of a cone?	$\frac{1}{3} \pi r^2 h$
10.9	How do you find the surface area of a cone?	$\pi r l + \pi r^2$
10.10	How do you find the volume of a square based pyramid?	= $\frac{1}{3} \times \text{area of base} \times h$
10.11	What is the volume of a sphere?	$\frac{4}{3} \pi r^3$
10.12	What is the surface area of a sphere?	$4\pi r^2$
10.13	Area scale factor	LSF <sup>2</sup>
10.14	Volume scale factor	LSF <sup>3</sup>

Unit H12 – further trigonometry (HIGHER ONLY)		
No.	Question	Answer
12.1	Cosine Rule	$a^2 = b^2 + c^2 - 2bc \cos A$
12.2	Area of a triangle	Area = $\frac{1}{2} ab \sin C$
12.3	Sine Rule	$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

Date (week commencing)	Numbers to learn
25 <sup>th</sup> Feb	9.1
4 <sup>th</sup> Mar	10.1 – 10.7
11 <sup>th</sup> Mar	10.8 - 10.14
18 <sup>th</sup> Mar	10.8 – 11.2
25 <sup>th</sup> Mar	11.1 – 12.3
1 <sup>st</sup> Apr	9.1 – 12.3