

Y10 Summer Mock Revision List: *Mathematics - Foundation*

Exam: 1 x Non-Calculator 70 mins
2 x Calculator 70 mins

Revision Topic List	
Content	Skills
<ul style="list-style-type: none">• Number	<ul style="list-style-type: none">• Error interval• Estimating• HCF and LCM• Product of prime factors• Estimation• Arithmetic with fractions• Standard form including calculating• Simplifying indices including negatives• BIDMAS
<ul style="list-style-type: none">• Algebra	<ul style="list-style-type: none">• Factorising and Solving quadratics• Rearranging formula• Expanding and Simplifying Linear and Quadratic equations• Solving linear equations including forming• Solving Simultaneous equations including solving graphically• Arithmetic sequences including finding the Nth term and generating sequences• Plotting linear graphs• Finding the gradient of a line• Equations of Parallel lines• Substitution
<ul style="list-style-type: none">• Ratio, proportion and percentages	<ul style="list-style-type: none">• Share in a Given Ratio• Direct and Inverse Proportion• Simple and Compound interest• Percentage change• Reverse percentages and fractions• Exchange rates• Best buy questions

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<ul style="list-style-type: none">● Statistical measure and collection of data	<ul style="list-style-type: none">● Averages from frequency table - grouped and discrete data● Calculation averages including:<ul style="list-style-type: none">○ Mean○ Median○ Mode○ Range● Comparing data● Two way tables● Scatter diagrams● Stem and leaf● Frequency polygons● Frequency trees● Bar charts
<ul style="list-style-type: none">● Geometry	<ul style="list-style-type: none">● Area and perimeter of shape including circles and sectors● Prove congruence of triangles● Calculating length and angles of Similar Shapes● Pythagoras● Trigonometry including exact trig values● Angles in parallel lines● Angles in polygons● Angle rules

Top Maths websites for revision are;
Maths genie - www.mathsgenie.co.uk
Corbett maths - corbettmaths.com
Sparx maths - www.sparxmaths.com