

Year 11 December Mock Revision List - Mathematics - Higher

Exam(s):

Paper 1: Non-Calculator (80 marks – 90 minutes)

Paper 2: Calculator (80 marks – 90 minutes)

Paper 3: Calculator (80 marks – 90 minutes)

Equipment list:

- Pen x2 - Pencil x2 – Calculator – Compass – Protractor – Ruler

Higher Revision Topic List		
Content	SKILL	
Sparx Code		
NUMBER	Mixed Number Calculations	U224
	Percentage Calculations	U332, U988
	Estimation	U225
	Rationalising Denominators	U707, U281
	Standard Form	U161
	Compound Interest	U988
	Standard Form	U330
	Operating with SURDS	U499
	Standard Form	U330, U534
RATIO PROPORTION	Dividing a quantity into a ratio	U753
	Inverse Proportion	U357
	Combining Ratios	U921
	Ratios and Percentages	U176
	Inverse Proportion	U138
	Exchange Rates	U610
	Direct Proportion	U640, U238
	Speed Distance Time	U151
	Density	U910
	Ratio Problem Solving	U676
ALGEBRA	Quadratic Sequences	U206
	Recurring Decimals to Fractions	U689
	Index Laws	U662
	Changing the Subject	U191
	Factorising	U437
	Algebraic Fractions	U824
	Proof	U471
	Quadratic Graphs	U601
	Straight Line Graphs	U741
	Simultaneous Equations	U760
	Completing the Square	U397
	Composite Functions	U895
	Iteration	U434, U168
	Gradient of a Line	U848
	Expanding Tripple Brackets	U606

	Index Laws	U662
	Algebraic Proof	U582
	Quadratic Inequalities	U133
	Functions	U637, U665
	Factorising Quadratics	U963
GEOMETRY MEASURE	Angles in Parallel Lines	U826, U628
	Algebraic Perimeter	U226, U934
	Volume and Capacity	U174, U388
	Volume of Complex Shapes	U617
	Vectors	U564
	Algebraic Area	U904, U105
	Construction	U245
	Circumference of a Circle	U604
	Elevation Drawings	U743
	Transformations	U134
	Circle Theorems	U808
	Volume and Surface area of Cuboid	U929, U786
	Column Vectors	U632, U903
	Right angled Trigonometry	U283
	Volume of Complex Shapes	U915, U617
	Bearings and Scale Drawing	U525
	Similar Shapes	U110
	Sine Rule	U952, U591
STATISTICS PROBABILITY	Probability Trees	U558
	Cumulative Frequency Graphs	U182, U642
	Mean Averages	U291
	Frequency Trees	U280
	Scatter Graphs	U128
	Box Plots	U879, U837
	Algebraic Probability	U729
	Conditional Probability	U246
	Histograms	U983
	Median from Histograms	U267
	Combined Probability	U558
	Combinations	U369

Tips on different revision techniques, including subject specific activities can be found in the [Student Study Support Guide](#).

Top Maths websites for revision are;

Maths genie - www.mathsgenie.co.uk

Corbett maths - corbettmaths.com

And

Sparx maths - www.sparxmaths.com