Year 10 Mock End of Year Exams - Mathematics - Higher

Exam(s):

Paper 1: Non-Calculator (60 marks - 70 minutes)

Paper 2: Calculator (60 marks - 70 minutes)

Paper 3: Calculator (60 marks - 70 minutes)

Equipment list:

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

Higher Revision Topic List		
Content	**SKILL**	**Sparx Code**
NUMBER	Decimal Multiplication	U293
	Prime Factorisation	U739
	Highest Common Factor	U529
	Rationalise the Denominator	U707
	Percentgage change with a Calculator	U671
	Estimation	U225
	Percentage Profit Calculations	U349
	Mixed Number Calculations	U475
	Compound Interest	U332
	Error Intervals	U657
	Converting Rerecurring decimal to fraction	U689
	Product rule for Counting	U369
	Combination Permutation	U369
	Standard Form	U330
	Lowest Common Multiple	U751
	Upper and Lower Bounds Calculations	U587
	Compound Interest	U332
ALGEBRA	Index Laws	U662
	Negative Indices	U694
	Indices Calculation	U235
	Form and Solve an Equation	U599
	Intepreting Gradient	U669
	Equation of Perpendicular Lines	U898
	Fractional Index Laws	U985,
	Solving Quadratics	U960
	Expand and Simplify	U179
	Factorise Single Bracket	U365
	Change the Subject	U181
	Expanding Triple Brackets	U606
	Algebraic Ratio	U676
	Solving Quadratic Equations	U168
	Rearranging Equations	U191
	Iteration	U434
	Adding Algebraic Fractions	U685
	Solving Equations with x on both sides	U870
	Finding the Equation of a Line	U315
	Changing the Subject of an Equation	U191
	nth Term of Quadratic Sequence	U206
	Solving Equations using Quadratic Formula	U665
	Solving Quadratics	U960

	Solving Equations Algebraic Quadratic and Ratio	U150
	Completing the Square	U397
RATIO PROPORTION	Direct Proportion Problem Solving	U721
	Sharing in a Ratio	U577
	Ratio problems in context	U595
	Inverse Proportion	U357,
	Solving Equations Algebraic Quadratic and Ratio	U150
	Similar Shape Volume	U110
GEOMETRY MEASURE	Angle Facts Problem Solving	U201
	Gradient of a Line	U477
	Circumference of a Circle	U604
	Trigonometry Excact Trig Values	U319
	Pythagoras with Midpoints	U828,
	Congruence	U866
	Area of a Sector	U373
	Similar Triangles	U551
	Turning Points	U769
	Circle Theorems	U808
	3D Trigonometry and Pythagoras	U170,
STATISTICS	Finding the Mode	U291
	Bar Chart	U291
	Box Plot	U879
	Historgrams	U185
	Historgrams	U814
	Estimating Median using Histograms	U267
	Estimating Mean from Frequency Tables	U569
	Intepreting Frequency Tables	U717
	Cumulative Frequency	U182,
	Estimating Mean	U291
	Interquartile Range	U642
	Comparing Distribution	U507
PROBABILITY	Probabiltiy Problem Solving	U104,

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