

Year 10 Mock End of Year Exams - Mathematics - Foundation

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

Foundation Revision Topic List		
Content	SKILL	Sparx Code
NUMBER	Addition and Subtraction with Integers	U417
	Fraction of Amount	U475
	Direct Proportion	U721
	Problem Solving Money	M681
	Percentage Calculations	U554
	Dividing Fractions	U544
	Multiplying Decimals	U293
	Prime Factorisation	U739
	Highest Common Factor	U529
	Estimation	U225
	Factors of a Number	U211
	Converting Decimals to Fractions	U888
	Converting Metric Units	U388
	Square Numbers	U851
	Percentage of a Number	U916
	Money Calculation	M478
	Problem Solving with Money	M478
	Percentages of amounts	U349
	Using a Calculator	U926
	Rounding to Significant	U965
	Percentage Profit	U671
	Compound Interest	U332
	Converting Percentages to Decimals	U888
	Rounding to 10s 100s 1000s	U480
	Understanding Place Value	U600
	Fractions from Diagrams	U679
	Understanding Place Value	U435
	Multiplying Integers	U127
	Time Calculations	U902
	Ordering FDP	U594
	Lowest Common Multiple	U751
	Percentage Profit	U671
	Compound Interest	U332
ALGEBRA	Simplify an Expression	U613
	Substitution Positive Integers	U201
	Substitution Negative Integers	U201
	Drawing/Plotting a Linear Graph	U741
	Index Laws	U662
	Negative Index Laws	U694
	Index Law calculations	U235

	Expanding Double Brackets	U768
	Factorising Quadratic Expression	U693
	Expand and Simplify	U179
	Factorising Single Bracket	U365
	Changing the Subject	U181, U191
	Solve x on both sides	U870
	Solving Simultaneous Equations	U760, U757
	Term to term rule	U213
	nth Term	U498
	Collecting Like Terms	U105
	Simplifying Expression	U662
	Solving Linear Equation	U325
	Form and Solving Equation	U599
	Equation of a Line	U315
RATIO PROPORTION	Direct Proportion	U721
	Simplifying a Ratio	U687
	Fractions from Ratios	U176
	Direct Proportion	U721, U640
	Inverse Proportion	U357, U138
	Problem Solving Ratio	U595
GEOMETRY MEASURE	Measuring and Angle	U447
	Angle Facts Problem Solving	U655
	Perimeter of a Rectangle	U226
	Area of a Rectangle	U3934
	Angle Facts	U655
	Right Angled Trigonometry	U283, U545
	Pythagoras Theorem Applied	U828
	Problem Solving Compound Shapes	U226, U934
STATISTICS	Finding the Mode	U260
	Frequency Table	U569
	Finding the Mode	U260
	Bar Chart	U363
	Problem Solving Money	M681
	Problem Solving with Mean	U291
	Two-Way-Tables	U981
	Stem and Leaf Diagrams	U200, U909
	Pictograms	U506
	Interpreting Pictograms	U506
	Frequency Trees	U280
	Estimating Mean	U569
	Estimating Mean Reasoning	U717
PROBABILITY	Frequency Trees	U280

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