Subject: Mathematics

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Structure of the exam:

2 exam papers (one non-calculator, one calculator)

45 minutes each paper (Total of 90 minutes)

45 marks per paper – total of 90 Marks

Topics to be covered in the exam:

Sparx Code	Topic	Done?	Strand
M106	Adding and subtracting with negative numbers		Number
M108	Prime factor decomposition		Number
M110	Dividing fractions		Number
M111	Rounding integers		Number
M131	Rounding decimals using significant figures		Number
M135	Calculating with roots and powers		Number
M163	Vertically opposite angles		Geometry
M222	Operations with money		Ratio, Proportion and Rates of Change

Sparx Code	Topic	Done?	Strand
M227	Finding the lowest common multiple (LCM)		Number
M231	Finding the area of circles		Geometry
M235	Writing numbers as percentages of other numbers		Number
M264	Converting between fractions, decimals and percentages		Number
M265	Dividing with mixed numbers		Number
M267	Converting between ratios, fractions and percentages		Ratio, Proportion and Rates of Change
M276	Shape properties		Geometry
M288	Multiplying and dividing with negative numbers		Number
M319	Combining angle facts		Geometry
M328	Calculating the range		Statistics
M347	Subtracting integers		Number
M351	Angles in triangles		Geometry
M401	Solving equations of the form (x+a)/b = c		Algebra
M431	Rounding decimals		Number
M437	Finding percentages of amounts without a calculator		Number
M476	Percentage change without a calculator		Number

Sparx Code	Topic	Done?	Strand
M478	Solving proportion problems		Ratio, Proportion and Rates of Change
M515	Converting units of time		Ratio, Proportion and Rates of Change
M522	Decimal place value		Number
M530	Converting units of mass		Ratio, Proportion and Rates of Change
M531	Simplifying expressions containing multiple variables		Algebra
M533	Percentage change with a calculator		Number
M543	Writing ratios in the form 1:n		Ratio, Proportion and Rates of Change
M553	Ordering fractions, decimals and percentages		Number
M554	Solving equations with the unknown on both sides		Algebra
M595	Identifying parts of circles		Geometry
M597	Drawing and interpreting tally charts		Statistics
M606	Angles on parallel lines		Geometry

Sparx Code	Topic	Done?	Strand
M627	Calculating with time		Ratio, Proportion and Rates of Change
M644	Drawing and interpreting pictograms		Statistics
M695	Finding fractions of amounts without a calculator		Number
M707	Solving equations with one step		Algebra
M801	Using equivalent ratios to find unknown amounts		Ratio, Proportion and Rates of Change
M823	Finding factors and using divisibility tests		Number
M835	Adding and subtracting fractions		Number
M841	Finding the mode		Statistics
M885	Writing and simplifying ratios		Ratio, Proportion and Rates of Change
M934	Calculating the median		Statistics
M940	Calculating the mean		Statistics
M994	Rounding integers using significant figures		Number

Types of question in the exam paper:

A mixture of:

• Short fluency questions (method + answer)

• Multi-step problem solving questions

• Reasoning questions (explain / justify your answer)

Essential subject revision:

Type of revision	Resources needed	Time required
Mind Maps / Summary Sheets Mind maps or 1-page summaries of key methods and facts.	Exercise book/class notes, / Knowledge Organiser , paper.	30 minutes
Exam Style Question practice Completing mixed exam-style questions under timed conditions.	ROA practice questions, Teams resources	30 minutes

Additional subject revision:

Type of revision	Resources needed	Time required
Recapping Homework content Recapping and correcting SPARX homework.	SPARX (Independent Learning tasks from codes supplied in revision list).	30 minutes
Reteaching Lesson Content	Lesson booklets, lesson slides, worked examples, notes.	30 minutes per lesson
Self-quizzing Using look, cover, write, check for key methods, facts and vocabulary.	Knowledge Organiser / revision grid / method cards (if used).	30 minutes