

HIGHER TIER - AQA

	Paper 1	Paper 2	Paper 3
Number (*see Ratio – some overlap of topic areas)			
Arithmetic	Decimal		
Fractions	Arithmetic		
	Fraction of a number		
	Value as fraction of another	Products	
	Recurring decimals as fractions		
Properties		Prime number	Highest Common Factor
			Lowest Common Multiple
		Cube number	
		Reciprocal	
		Decimal places	
		Error interval	Error interval
		Bounds	
Percentage	Percentage as operator		
Decimals			Ordering
			Recurring
Indices	Laws of indices		
		Negative	
Standard Form	Conversion		
	Calculation		
Surds	Simplification		
Other			Product rule for counting
Algebra			
Equations	Of a straight line	Of a circle	
	Linear	Linear	
		Quadratic	Quadratic
			Simultaneous linear/quadratic
		Number line inequality	
Manipulation	Identity		Simplification
		Multiply out	
	Simplification of algebraic fraction	Factorisation of quadratic	
			Triple bracket
	Change subject		Change subject
			Factorisation
		Completing the square	
			Quadratic
Graphs		Coordinate problem	
		Perpendicular lines	
			Roots
		Turning points	Turning points
	Recognise		Quadratic
			Exponential
	Sketch function		
	Speed time		
	Inequality region		
Interpret			
Functions		Inverse	Composite
Sequences		Triangular number	
			Arithmetic
			Geometric
	Algebraic		nth term

Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)

Ratio	Simplest form	Share into a ratio	Share into a ratio
		On a line	
	Proportion problem		
Fraction		To percentage	
Percentages		Percentage increase	Percentage increase
		Percentage decrease	
Conversion		Time	Compound Interest
Applications		Equation to percentage	
		Rate of output	
		Pressure	
			Average speed Population density

Geometry and measures

Shape			Quadrilateral
	Congruence		Circle theorems
	Prism		
	Faces		
		Plan	
		Pythagoras	
			Trigonometry
	Exact trigonometrical values		Sine/Cosine rule
Measures		Time	
Area and Volume		Compound shape	Compound shape Cylinder
		Cone	
		Hemisphere	
	Sector of a circle		
		Volume scale factor	
Vectors			Vector arithmetic
	Vector geometry		
Constructions	Region		
Other			Bearing
		Geometric proof	

Statistics

Diagrams			Two-way table
		Pie chart	
	Cumulative frequency		Histogram
			Box plot Line of best fit
Measures		Mean	
			Median, quartiles
			Interquartile range Outlier
Populations		Estimation from sample	

Probability

Probability		Relative frequency	
	Expected value		
	Venn diagram		
	Tree diagram		
		Notation	
	Independent events		Independent events

Information

This advance information covers all examined components.

- There are no restrictions on who can use this.
- The format/structure of the papers remains unchanged.
- For each paper the list shows the major focus of questions.
- The information is presented in specification order and not in question order.
- You are not permitted to take this advance information into the exam.
- There are separate lists for Foundation and Higher tiers.

Advice

- The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the June 2022 examinations.
- Students will be credited for using any relevant or appropriate knowledge from any topic areas when answering questions.