Paper 1

Number

Category	Topic	RAG
Arithmetic	Money	
	Multiplication of decimals	
Fractions	Decimal to fraction	
	Fraction of an amount	
	Fraction arithmetic	
	One amount as a fraction of another	
Properties	Order of operations	
	Factors	
	Product of prime factors	
Powers and roots	Positive integer powers	
	Laws of indices	

Algebra

Category	Topic	RAG
Manipulation	Simplification	
	Factorise quadratic	
Equations and inequalities	Linear equation	
	Form an equation	
	Linear inequality	
Graphs	Coordinates	
	Midpoint	

Ratio, proportion, and rates of change

Category	Topic	RAG
Conversion	Length, time	
	Scale drawing	
Percentages	Percentage of an amount	
	One quantity as a percentage of another	
Ratio	Write as a ratio	
	Share in a ratio	
	Use of ratio	
Proportion	Direct proportion	
Compound Measures	Speed	
	Pressure	

Geometry and measures

Category	Topic	RAG
Shape	Transformations	
Angles	Angles at a point	
Length, area and volume	Perimeter	
	Area of a rectangle	

Probability

Category	Topic	RAG
Probability	Probability scale	
	Probability	

Statistics

Category	Topic	RAG
Diagrams	Composite bar chart	
Measures	Mode	
Population	Infer properties of population	

Paper 2

Number

Category	Topic	RAG
Arithmetic	Money	
Fractions	Fraction of an amount	
	Order fractions	
Properties	Place value	
	Order integers	
	Reciprocal	
Approximation and Estimation	Error interval	

Algebra

Category	Topic	RAG
Manipulation	Substitute values	
	Simplification	
	Expand bracket	
	Form an expression	
Equations and inequalities	Linear equation	
	Quadratic equation	
Graphs	Coordinates	
	Quadratic graph	
Sequences	nth term of a linear sequence	

Ratio, proportion, and rates of change

Category	Topic	RAG
Conversion	Length, time	
Percentages	Percentage as a fraction	
	Percentage of an amount	
	Reverse percentage	
Proportion	Direct proportion	
	Currency conversion	
Compound Measures	Compound interest	

Geometry and measures

Category	Topic	RAG
Shape	Plan and elevation	
Angles	Measure an angle	
Length, area and volume	Measure a length	
	Area of a rectangle	
	Area of a triangle	
	Area of a sector	
Trigonometry	Trigonometry	

Statistics

Category	Topic	RAG
Diagrams	Bar Chart	
	Stem and leaf diagram	
	Scatter graph	
Measures	Median and mean	

Paper 3

Number

Category	Topic	RAG
Arithmetic	Money	
Fractions	Fraction to decimal	
	Fraction of an amount	
Properties	Place value	
	Order decimals	
	Multiples	
Standard Form	Conversion	
	Calculation	
Approximation and Estimation	Rounding	
Other	Calculator use	

Algebra

Category	Topic	RAG
Manipulation	Change subject of a formula	
Graphs	Coordinates	
	Straight line graph	
	Conversion graph	
	Travel graph	
Sequences	Terms of a sequence	

Ratio, proportion, and rates of change

Category	Topic	RAG
Conversion	Mass, volume, speed	
Ratio	Write as a ratio	
	Share in a ratio	
	Use of ratio	
Proportion	Direct proportion	
Compound Measures	Speed	

Geometry and measures

Category	Topic	RAG
Shape	Transformations	
	Similar triangles	
Angles	Angles in a triangle	
	Angles in a quadrilateral	
Length, area and volume	Volume of a cuboid	
	Volume of a cylinder	
Vectors	Column vectors	
	Diagrammatic representation of vector	

Probability

Category	Topic	RAG
Probability	Frequency tree	
	Tree diagram	
	Combined events	

Statistics

Category	Topic	RAG
Diagrams	Interpret graph	
	Pie chart	
Measures	Mean	