

**Paper 1H – grouped by content area**

<b>Number (*see Ratio – some overlap of topic areas)</b>	
Fractions	Fraction of an amount
	Fraction arithmetic
	Recurring decimal to fraction
Properties	Product of prime factors
	Negative and fractional indices
Powers and roots	Simplification of surds
Standard Form	Conversion
	Calculation
<b>Algebra</b>	
Manipulation	Simplification
	Expansion of brackets
	Algebraic fractions
Equations and inequalities	Linear inequality
	Form an equation
	Quadratic equation
	Equation of a tangent to a circle
Graphs	Quadratic graph
	Speed-time graph
	Gradients of parallel and perpendicular lines
	Gradient of a curve

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

Percentages

Percentage of an amount

Ratio

Write as a ratio

Use of ratio

Share in a ratio

Ratio to fraction

Proportion

Equations of proportion

Compound Measures

Density

**Geometry and measures**

Angles

Angles in a polygon

Length, area and volume

Area of a triangle

Volume of a cube

Surface area of a cuboid

Area of a sector

Pythagoras's Theorem and Trigonometry

Pythagoras's Theorem

Exact trigonometric values

Vectors

Vector geometry

**Probability**

Probability

Probability

Independent combined events

**Statistics**

Diagrams

Cumulative frequency graph

Measures

Mean

Inter-quartile range