

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

<b>Number (*see Ratio – some overlap of topic areas)</b>	
Arithmetic	Money
	Negative number
Fractions	Order fractions, decimals, percentages
	Fraction of an amount
	Fraction arithmetic
Properties	Place value
	Product of prime factors
Standard Form	Conversion
	Calculation
Approximation and Estimation	Estimation
<b>Algebra</b>	
Manipulation	Simplification
	Substitute values
Equations and inequalities	Linear inequality
	Quadratic equation
Graphs	Quadratic graph
Sequences	Linear sequence
<b>Ratio, proportion, and rates of change (*see Number – some overlap of topic areas)</b>	
Conversion	Length
Percentages	Percentage of an amount
	Percentage increase
Ratio	Write as a ratio
	Share in a ratio
Proportion	Direct proportion

Compound Measures	Speed
	Density
<b>Geometry and measures</b>	
Shape	Reflection
	Plan and elevation
Angles	Angles in a polygon
Length, area and volume	Volume of a cube
	Volume of a cylinder
Pythagoras's Theorem and Trigonometry	Exact trigonometric values
<b>Probability</b>	
Probability	Probability
	Frequency tree
<b>Statistics</b>	
Diagrams	Pictogram
	Bar chart
	Stem and leaf diagram



**Paper 2F – grouped by content area**

<b>Number (*see Ratio – some overlap of topic areas)</b>	
Arithmetic	Money
	Negative number
Fractions	Fraction arithmetic
	Order fractions
Properties	Order integers
	Multiples
Approximation and Estimation	Rounding
	Error interval
Other	Straight line graph
<b>Algebra</b>	
Manipulation	Simplification
	Expansion of bracket
	Factorisation
	Laws of indices
Equations and inequalities	Linear simultaneous equations
Graphs	Coordinates
	Straight line graph
Functions	Number machines
<b>Ratio, proportion and rates of change (*see Number – some overlap of topic areas)</b>	
Conversions	Mass, time, area
	Scale drawing
Percentages	Decimal to percentage
	Percentage profit
	Depreciation



Ratio	Write as a ratio
	Use of ratio
Proportion	Direct proportion
	Currency conversion
<b>Geometry and measures</b>	
Shape	Polygons
	Circles
	Parallel and perpendicular lines
	Transformations
Angles	Angles in a triangle
	Vertically opposite angles
Length, area and volume	Area of a rectangle
<b>Probability</b>	
Probability	Tree diagram
	Combined events
<b>Statistics</b>	
Diagrams	Interpret graph
	Two-way table
	Frequency table
Measures	Mode
	Median
	Mean

**Paper 3F – grouped by content area**

<b>Number (*see Ratio – some overlap of topic areas)</b>	
Arithmetic	Four operations
	Negative number
Fractions	Fraction of an amount
	One amount as a fraction of another
	Equivalent fractions
Properties	Factors
	Lowest Common Multiple
Powers and roots	Square root
Approximation and estimation	Rounding
Other	Calculator use
<b>Algebra</b>	
Manipulation	Simplification
	Expansion of bracket
	Factorisation
	Substitute values
	Change subject of a formula
	Forming an expression
Equations and inequalities	Linear equation
	Form an equation
Sequences	Linear sequence
<b>Ratio, proportion and rates of change (*see Number – some overlap of topic areas)</b>	
Conversions	Time
	Compound units
	Scale drawing

Percentages	Percentage to fraction
	One quantity as a percentage of another
	Percentage decrease
	Reverse percentage
Ratio	Write as a ratio
	1 : $n$ form
Proportion	Direct proportion
Compound measures	Average speed
<b>Geometry and measures</b>	
Shape	Triangle properties
	Quadrilaterals
	Triangular prism
Angles	Angle properties of parallel lines
	Angles in a triangle
	Vertically opposite angles
	Bearings
Length, area and volume	Area of a triangle
	Area of a trapezium
Pythagoras's Theorem and Trigonometry	Pythagoras's Theorem
<b>Probability</b>	
Probability	Probability scale
	Probability
<b>Statistics</b>	
Diagrams	Frequency polygon
Measures	Median
	Range
Population	Comparison of distributions