Foundation Tier: Collated content for Paper 1F, 2F and 3F

Arithmetic	Money
	Four operations
	Negative number
Fractions	Order fractions, decimals, percentages
	Fraction of an amount
	One amount as a fraction of another
	Fraction arithmetic
	Equivalent fractions
Properties	Place value
	Order integers
	Multiples
	Factors
	Lowest Common Multiple
	Product of prime factors
Powers and roots	Square root
Standard Form	Conversion
	Calculation
Approximation and estimation	Rounding
	Estimation
	Error interval
Other	Mathematical symbols
	Calculator use

W73038A

Algebra		
Manipulation	Simplification	
	Expansion of bracket	
	Factorisation	
	Substitute values	
	Change subject of a formula	
	Forming an expression	
	Laws of indices	
Equations and inequalities	Linear equation	
	Linear inequality	
	Linear simultaneous equations	
	Form an equation	
	Quadratic equation	
Graphs	Coordinates	
	Straight line graph	
	Quadratic graph	
Functions	Number machines	
Sequences	Linear sequence	
Ratio, proportion and rates of ch	nange (*see Number – some overlap of topic areas)	
Conversion	Length, mass, time, area	
	Compound units	
	Scale drawing	

W73038A 17

Continue ▶



Percentages	Percentage to fraction
	Decimal to percentage
	Percentage of an amount
	Percentage increase/decrease
	Percentage profit
	One quantity as a percentage of another
	Depreciation
	Reverse percentage
Ratio	Write as a ratio
	Share in a ratio
	Use of ratio
	1 : <i>n</i> form
Proportion	Direct proportion
	Currency conversion
Compound Measures	Speed
	Average speed
	Density
Geometry and measures	<u>'</u>
Shape	Triangle properties
	Quadrilaterals
	Polygons
	Triangular prism
	Circles
	Parallel and perpendicular lines
	Reflection
	Transformations
	Plan and elevation

W73038A 18

Angles	Angles in a triangle
	Vertically opposite angles
	Angle properties of parallel lines
	Angles in a polygon
	Bearings
Length, area and volume	Area of a rectangle
	Area of a triangle
	Area of a trapezium
	Volume of a cube
	Volume of a cylinder
Pythagoras's Theorem and Trigonometry	Pythagoras's Theorem
	Exact trigonometric values
Probability	
Probability	Probability scale
	Probability
	Frequency tree
	Tree diagram
	Combined events
Statistics	
Diagrams	Pictogram
	Bar chart
	Interpret graph
	Two-way table
	Frequency table
	Stem and leaf diagram
	Frequency polygon
Measures	Mode, median, mean, range
Population	Comparison of distributions

W73038A 19

