

Theme	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
Rounding	Rounding Integers	Rounding decimals	Rounding with significant figures	Estimation	Error Bounds	Maximum and minimum calculations	
Negatives	Ordering negatives	Counting with negatives	Multiplying and dividing with negatives	Adding and subtracting with negative numbers	Inequalities	Graphical inequalities	Solve quadratic inequalities
Place value	ordering decimals	Multiplying and Dividing with powers of 10	Equivalent calculations	Standard form	Multiplying and dividing with standard form	Standard form in context	
Multiples/factors/Primes	Multiples	Factors and primes	LCM/HCF	Product of Prime Factors	Simplifying, multiplying and dividing surds	Adding and subtracting surds	Rationalising
Indices	Square and cube numbers	Roots and BIDMAS	Calculating Powers greater than 3 and BIDMAS	Laws of indices	Numerical Negative (and fractional higher) indices	Simplifying algebraic negative and fractional indices	
Multiplying	Multiplication methods	Multiplying Integers	Multiplying decimals	Multiplying Fractions	Multiplying and dividing with upper and lower bounds	multiplying and dividing more complex algebraic fractions	
Dividing	Division methods	Dividing Integers	Dividing decimals	Reciprocals and dividing fractions	Multiplying and dividing algebraic fractions	Solving linear equations involving fractions	
Adding and Subtracting	Column addition and subtraction	Adding and subtracting decimals	Adding and subtracting fractions	Adding and subtracting with mixed numbers	Adding and subtracting with standard form	Adding and subtracting algebraic fractions	
Fractions	Shading and writing fractions	Simplifying and equivalent fractions	Fractions, decimals, and percentages	Fractions of amounts	Recurring decimals	Simplifying algebraic fractions with addition and subtraction	
Units	Money	Time	Metric Units	Area and volume conversions and scale factors	Compound Measures	Time graphs	Area under a curve
Simplifying	Using algebra tiles	Collecting one variable terms ($m + m + 2m =$)	Collecting like terms	Combining single brackets	Simplifying algebraic fractions with single bracket factorisation	Simplifying algebraic fractions involving quadratics	Inverse and composite functions
Expanding	Multiplying terms with power of 1	Multiplying terms with power > 1	Expanding single brackets	Expanding double brackets	Triple brackets	Algebraic proof (previously in stage 5)	Quadratic simultaneous equations
Solving Equations	Finding missing numbers in calculations	One step equations	Solving multi step equations	Solving equations with unknowns on both sides	Solving simultaneous equations algebraically	Solving quadratics using the formula	Numerical methods
Factorising	Dividing algebraic terms by a constant	Dividing algebraic terms	Factorising into single brackets with no powers	Factorising single bracket with powers	Factorising and solve quadratics with $a=1$	Factorising and solving quadratics with $a>1$	Completing the square
Substitution/Formulae	Simple function machines	Function machines	Substitution and formulae	Writing expressions/formulae	Changing the subject of a formula	Changing the subject involving factorisation (this is on foundation too)	Equation of circles and tangents
Coordinates	Coordinates in first quadrant	Coordinates in all four quadrants	Completing coordinate tables	Gradients and y intercepts	Drawing curved graphs	Trig graphs	Transforming graphs
Straight line graphs	Reading scales	$x = a$ and $y = b$ graphs	Draw straight line graphs from coordinate tables	Drawing from $y = mx + c$	Rearranging $y = mx + c$ and parallel (and perpendicular H) lines	Graphical simultaneous equations	Estimating gradients
Sequence	Continuing a sequence	Finding missing numbers in sequences	Arithmetic sequences	Geometric sequences	Fibonacci sequence and triangle numbers	Subscript notation for sequences	Graph sketching
nth term	Generating sequences using functions machines	Generating a sequence from a rule	Generating a sequence from the nth term - linear and non-linear	nth term of a linear sequence	Generating quadratic sequences	Quadratic nth term	
Ratio	Writing ratios	Simplifying ratios	Writing ratios as fractions	1 : n and unitary ratios	Direct proportion	Inverse proportion	
Dividing ratios	Making ratios	Ratios and patterns	Sharing into a ratio	Recipes	Ratio more than problems	Combining ratios	harder ratio questions
Percentage change	Understanding percentages	Understanding percentages	Calculating 10%, 20%, etc	Percentage increase and decrease	Multipliers and % change	Reverse percentages and interest	Exponential graphs
Perimeter	Perimeter by counting	Perimeter of 2D shapes	Circumference	Pythagoras	Finding sides using trigonometry	Exact trig values	Cosine rule
Area	Area by counting squares	Area of Rectangles, triangles, parallelograms	Compound area and trapeziums	Area of a circle	Sectors	Answers in terms of pi	Sine rule for area
Vol and SA	Volume by counting cubes	Volume of cubes and cuboids	Surface area - cubes and cuboids	Vol and surface area of prisms	Volume and surface area of cylinders	Volume and surface area of solids	
Angles	Angles on straight lines and points	Angles in triangles and quadrilaterals	Angles in parallel lines	Angles in polygons	Finding angles using trigonometry	Circle theorems	More circle theorems
Construction	Measure lines and angles	Constructing triangles	Scale drawings	Bisectors	Loci	Bearings	
Transformations	Line symmetry	Rotational symmetry	Translations	Reflections	Rotation	Vector calculations	Vector geometry
Sim and congruent	Recognising congruent shapes	Enlargements no centre	Enlarging from a centre	Enlarging with fractional (and negative H) scale factors	Similar and congruent triangles	Geometric proof	Consecutive transformations
2D and 3D	Recognising 2D shapes	Properties of triangles and quadrilaterals	Recognising 3D/nets, Vertices, properties	Plans and elevations	3D Pythagoras	3D trigonometry	Sine rule
Probability	Probability scale worded	Probability scale numerical	Probability of an event	Sum to 1/mutually exclusive events	Relative frequency	Dependent events	
Probability diagrams	Recording results from experiments	Two-way tables	Sample space diagrams	Venn diagrams	Tree diagrams	Conditional and given events	
Mean and mode	Mode	Mean and mode from list	Mean and mode from frequency table	Mean missing values and combining	Mean and mode from a grouped frequency table	Comparing sets of data	
Median and range	Tally charts	Median and range from list	Median from a frequency table	Collecting data and sampling	Box plots and IQR (higher)	Cumulative frequency	
Charts	bar charts and pictograms	Composite, bar charts	Pie charts	Scatter graphs	Times series	Histograms	