Self Assessment Checklist
Foundation Topics (Grades 1-5)

Algebra

	Grade	Topic	Link
	2	Basic sequences and rules	
	2	Sequences of square, triangular and cube numbers	
	2	Collecting like terms	
	3	Using formulae	
	3	Position-to-term rules	
	3	Plotting straight line graphs	
	3	Coordinates in all quadrants	
	3	Substitution	
	3	Number machines	
	3	Finding the n^{th} term of a linear sequence	
	3	Expanding single brackets	
	3	Linear equations with one unknown	
	3	Simplifying expressions	
	3	Inequalities on number lines	
	4	Using $y = mx + c$	
	4	Real-life graphs	
	4	Graphs of quadratic functions	
	4	Graphs of linear functions	
	4	Finding the equation of a line	
	4	Factorising single brackets	
	4	Changing the subject	
	4	Writing formulae and expressions	
	4	Solve linear inequalities in one variable	
	4	Expanding double brackets	
	5	Simplify indices	
	5	Quadratic graphs	
	5	Linear equations	
	5	Graphical solution to equations	
	5	Simultaneous equations (linear)	
	5	Quadratic and simple geometric sequences	
	5	Factorising quadratic expressions	
	5	Finding the equation of a line	
	5	Derive an equation	
	5	Cubic and reciprocal graphs	

Geometry and Measures

👍 👎	Grade	Topic	Link
	2	3D shapes	
	2	Perimeter of 2D shapes	
	3	Using standard units	
	3	Translations and vectors	
	3	Properties of triangles	
	3	Properties of quadrilaterals	
	3	Measuring lines and angles	
	3	Geometrical terminology and diagrams	
	3	Congruent and similar shapes	
	3	Circumference of a circle	
	3	Circle terminology	
	3	Areas of triangles, trapezia and parallelograms	
	3	Areas of composite shapes	
	3	Area of a circle	
	3	Alternate and corresponding angles	
	4	Volume of prisms	
	4	Solve geometrical problems	
	4	Polygons	
	4	Plans and elevations	
	4	Enlargements and fractional scale factor	
	4	Congruent triangles	
	4	Bearings	
	4	Volume	
	4	Trigonometry – sine, cosine and tangent rules	
	4	Standard constructions	
	4	Pythagoras	
	4	Loci	
	5	Basic trigonometric values	
	5	Surface area	
	5	Similarity and congruence	
	5	Enlargements and negative scale factor	
	5	Arc lengths and sectors	

Number

	Grade	Topic	Link
	1	Place value	
	1	Ordering numbers	
	2	Multiplying integers	
	2	Dividing integers	
	2	Adding and subtracting integers	
	3	Prime numbers	
	3	Decimals	
	3	Terminating decimals and fractions	
	3	Rounding	
	3	Powers	
	3	Order of operations	
	3	Multiplying fractions	
	3	Dividing fractions	
	3	Multiples and factors	
	3	Interpret calculator displays	
	3	Fractions and percentages	
	3	Adding and subtracting fractions	
	4	Standard form	
	4	LCM and HCF	
	4	Estimation	
	4	Converting metric units	
	4	Compound measures	
	5	Limits of accuracy	
	5	Index laws	
	5	Error intervals	
	5	Product of prime factors	

Number

👍 👎	Grade	Topic	Link
	2	Listing outcomes	
	2	Probability scale	
	2	Two-way tables	
	3	Probability of equally likely outcomes	
	3	Frequency trees	
	4	Venn diagrams	
	4	Unbiased samples	
	4	Theoretical probability	
	4	Relative frequency	
	4	Mutually exclusive events	
	5	Probability of independent events	
	5	Probability of dependent events	

Ratio, Proportion and Rates of Change

👍 👎	Grade	Topic	Link
	3	Use scale factors, diagrams and maps	
	3	Use ratio notation	
	3	Express one quantity as a fraction of another	
	3	Convert standard units	
	3	Proportion and ratio	
	3	Problems involving ratio	
	3	Express one quantity as a percentage of another	
	3	Division of a quantity as a ratio	
	4	Ratio sharing	
	4	Percentage change	
	4	Compare lengths, area and volume	
	4	Compare fractions, decimals and percentages	
	5	Solve proportion problems	
	5	Simple interest and financial maths	
	5	Scale factors and similarity	
	5	Problems with compound units	
	5	Interpret proportion	
	5	Growth and decay	
	5	Gradient and the rate of change	
	5	Compound units	

Statistics

👍 👎	Grade	Topic	Link
	2	Tally charts and frequency tables	
	3	Vertical line charts	
	3	Types of data	🔗
	3	Pie charts	🔗
	3	Time series	
	3	Averages	🔗
	4	Scatter diagrams	🔗
	4	Sampling	
	4	Population	
	4	Correlation	🔗
	4	Comparing distributions	
	4	Comparing data using graphs	