FOUNDATION CHECKLIST – Grades 1 – 5 – 2019

Geometry and Measures

l can do this	Grade	Title
	5	Enlargements and negative SF
	5	Pythagoras distance between two points.
	5	Surface Area
	5	Trigonometry formulas
	5	Circle theorems
	4	Pythagoras theorem
	4	Rotations
	4	Congruent triangles
	4	Enlargements and fractional SF
	4	Translations
	4	Reflections
	4	Constructions, perpendicular and angular bisectors.
	3	Bearings
	3	Triangle constructions
	3	Volume of prisms
	3	Areas of composite shapes
	4	Area and circumference of circles
	3	Areas of triangles, trapezia and parallelograms
	3	Interior and exterior angles
	3	Angles on parallel lines: Alternate, corresponding and interior angles
	3	Geometrical rules
	3	Measuring lines and angles
	3	Properties of quadrilaterals
	3	Properties of triangles
	3	Using standard units
	2	Congruence
	2	Regular polygons
	2	Symmetry
	2	Volume of cuboids
	2	Parts of a circle
	1	Nets
	1	Time

Algebra

l can		
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this		
	5	Snowing inequalities on a graph
	5	Simultaneous equations
	5	solving quadratic equations from a graph
	5	Factorising quadratic expressions
	5	Graphical solution to equations
	5	Deciding if a term is in a sequence
	5	Linear equations
	5	Quadratic graphs
	5	Simplify indices
	5	Solve linear inequalities with one
	5	variable
		Solving equations with fractions or
	5	squares
	F	Changing the subject (rearranging
	5	formulas)
	4	Inequalities on number lines
	4	Expressions
	4	Finding the equation of a line
	4	Graphs of linear functions
	4	Solving equations with brackets
	4	Factorising single brackets
	4	nth term of a linear sequence
	4	Expanding double brackets
	4	Substitution
	4	Using "y = mx + c"
	3	Gradient of a line
	3	Plotting straight line graphs
	3	Inequalities
	3	Midpoint of a line
	3	Straight line graphs, Horizontal,
		vertical and diagonal
	3	Solving equations with one
		unknown
	3	Expanding single brackets
	3/4	Using Formulae
	3	Number and shape patterns
	2	Collecting like terms
	1	Coordinates in Four quadrants

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Statistics

l can do this	Grade	Title
	4	Frequency Tables
	4	Relative frequency
	4	Listing Outcomes and Expected
	4	frequency
	2/3	Pie Charts
	3	Mean, median, mode and range
	3	Choosing the best average
	2	Two way tables
	2	Expected events
	1	Bar Charts
	1	pictographs

Ratio, Proportion and rates of change

l can do this	Grade	Title
	5	Compound interest and
	4	volume
	4	Scale factors and similarity
	4	Speed, density and pressure
	4	Reverse percentages
	4	Compare Fractions, Decimals and Percentages
	4	Comparing quantities as a ratio
	4	Division of a quantity as a ratio
	4	Express one quantity as a % of another
	4	Percentage change
	4	Ratio Sharing
	4	Speed Time graphs
	3	Distance time graphs
	3	Proportion and recipes
	3	Simple interest
	3	Express one quantity as a fraction of another
	3	Percentages of amounts
	3	Currency Conversions
	2	Use scale factors, diagrams and
		maps
	2	Simplifying ratios
	1	Converting metric units

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Number

l can		
do	Grade	Title
this		
	5	Venn Diagrams to represent Sets
	5	Complement of sets
	5	Calculating with standard form
	5	Bounds
	5	Index Laws
	5	Recurring decimals
	5	LCM and HCF
	4	Sets: Member, union, intersection
	4	and number
	4	Prime Factors
	4	Estimation
	4	Fractions and percentages
	4	Fractions and ratio problems
	4	Interpret calculator displays
	4	Multiplying fractions
	4	Standard Form
	3	Rounding to significant figures
	3	Adding and subtracting fractions
	3	Decimals
	2	Mixed numbers and improper
	3	fractions
	3	Prime numbers
	3	Multiples and factors
	2/3	Order of operations
	2	Simplifying fractions
	2	Integers
	2	Square numbers and square roots
	2	Cube numbers and cube roots
	2	Rounding to decimal places.

Probability

l can do this	Grade	Title
	5	The 'OR' Rule, Mutually exclusive
	5	Probability from Venn diagrams
	4	Mutually exclusive sum
	4	Relative Frequency
	4	Expected Frequency
	4	Listing Outcomes (sample space
		diagrams)
	3	Probability of equally likely
		outcomes
	1	Probability scales