



Mathematics Key Vocabulary Progression

Mathematics Key Vocabulary Progression Nursery



Autumn		Spring		Summer	
Colours	Green, Purple, Pink, Black, White, Grey, Orange, Brown, Mix Colours, Shade, Match	Number 3	Three, 3 Counters, 3 on a 5 frame, 3 on a die, 3 dots, Numeral 3, 3 Fingers, Counting 3, Altogether	More/Fewer	More, Less, Fewer, Number, Count
Matching	Match, Pair, Same, Different, Similar, Exact, Top, Middle, Bottom	Number 4	Four, 4 Counters, 4 on a 5 frame, 4 on a Die, 4 Dots, Numeral 4, 4 Fingers, Counting 4, Altogether, Rectangles, Squares, Sides, Corners, Equal, Long/Short	One More	One more, Equal to, More than, Order, Number, Count
Sorting	Sort, Sort by Colour, Sort by Size, Sort by Shape, Group, Size, Big, Medium, Small, Shapes, Curved, Straight	Number 5	Five, 5 Counters, 5 on a 5 frame, 5 on a Die, 5 Dots, Numeral 5, 5 Fingers, Counting 5, Altogether, Pentagon, Sides, Corners.	One Less	One Less, Less than, Order, Number, Count
Number	One, Two, 1 or 2 Counters, 1 or 2 on a 5 frame, 1 or 2 on a die, 1 or 2 dots, Numeral 1 or 2, 1 or 2 Fingers, Counting 1 or 2, Altogether	Number 6	Six, 6 Counters, 6 on a 10 frame, 6 on a Die, 6 Dots, Numeral 6, 6 Fingers, Counting 6	2D Shape	Rectangles, Squares, Sides, Corners, Equal, Long/Short, Pentagon
Pattern	Pattern, Sequence, Repeating Pattern, Puzzle	Height and Length	Tall, Short, Taller, Shorter, High, Height, Measure, More, Less, Measurement, Size, Long, Longer, Shorter	3D Shape	Points, Edges, Corners, Pyramid, Cone, Sphere, Cube
Consolidation Winter Activities	Winter, Clouds, Rain, Wind, Snow, Storm, Cold, Snowflake, Icicle, Snowman, Jacket, Raincoat, Coat, Hat, Scarf, Boots, Socks, Umbrella, White, Warm.	Mass	Scales, Weighing, Weigh, Weight, Heavy, light, Balance	Night and Day	Night time, Daytime, Bed time, Story Time, Breakfast, Wake Up, School, Evening Meal
		Capacity	Measure, Full, Half Full, About the Same, Just Over, Just Under, Too Much, Too Little	Positional Language	In, Under, Over, On Top Of, Next to.

Mathematics Key Vocabulary Progression

Reception - Year 6



	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and Place Value	Place Ordinal Compare Forwards Backwards Numbers up to twenty Number line Pictorial Answer Equals Read Digit Write	<i>Same as EYFS, plus:</i>	<i>Same as EYFS & Year 1, plus:</i>	<i>Same as EYFS & KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		Numerals Words Multiples Equal to Fewer Most Least Identify Represent Sort Calculate Odd Even Pattern Partitioning Ones Tens Greater than > Less than < Numbers up to one hundred	Count in steps Count in multiples Two- digit Estimate Place Value Solve Problems Nearest ten Number facts Partition Count in steps Zero Compare Determine Value Three-digit Column value Quantity value	Hundreds Ten more One hundred more Ten less One hundred less Roman numeral Numbers up to one thousand Ascending Descending Equivalent	Thousands Four- digit Negative number Positive number Negative number One thousand more One thousand less Decimal Decimal place Rounding Place holder Nearest ten Nearest Hundred Nearest thousand One place Whole number Integer Tenths Hundredths Roman numerals	Ten thousands Hundred Thousands Millions Context Steps of powers Decimal equivalents Two decimal places Thousandths Numbers up to one million	Intervals across zero Three decimal places Hundredths Thousandths Ten thousandths Numbers up to ten million

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition and Subtraction	Add Subtract Take away Plus Altogether Total Addition Subtraction Adding Subtracting Number Number line Single digit Count on Count back Answer Doubling Halving Sharing Numbers to twenty Check Part Whole Digit	<i>Same as EYFS, plus:</i>	<i>Same as EYFS & Year 1, plus:</i>	<i>Same as EYFS & KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		One step problem Concrete object Pictorial representation Missing number Problem Read Write Interpret Equals = Signs One-digit Two-digit Ones Mental Mentally Minus Addition Subtraction Difference Fewer Less Sentence stem Remove Reduce Minuend <i>(amount at start of subtraction question)</i> Subtrahend <i>(amount being subtracted)</i> Difference <i>(the difference/amount left)</i> Represents Addition bonds Addend <i>(amount we add)</i> Sum <i>(total)</i>	Columnar addition Columnar Subtraction Tens Order Inverse Relationship Calculation Solve problems Missing number problems Quantities Measures Formal Written method Mental method Method Operation Apply Whole number Inverse Three-digit Not commutative <i>(for subtraction)</i> Exchange Number bonds Quantities Commutative <i>(for addition)</i> Part-whole Count on	Three-digit number Hundreds Estimate Number facts Column addition Column subtraction Exchange Estimate Operations Quantities Formal column notation	Two step problems Context Four-digit Operations Methods Estimation Mixed operations Three digit number	Increasingly large numbers More than 4 digits Rounding Determine Context Multi-step problems Column notation Tenths Hundredths	

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Multiplication and Division	Sharing Doubling Halving Number pattern Twice as many Equal Unequal Share Groups Odd Even	<i>Same as EYFS, plus:</i>	<i>Same as EYFS & Year 1, plus:</i>	<i>Same as EYFS & KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		Multiples Twos Fives Tens Number Multiply Divide Multiplication Division One step problem Answer Concrete object Pictorial representation Arrays Count Equals Write Sharing Grouping Equally Pictorial representation Rows Columns Lots of Equal groups	Multiplication facts Division facts Multiplication tables Odd numbers Even numbers Share Equally Repeated division Repeated addition Calculate Place holder Number sentence Dividend Divisor Quotient Base 10 Scaling Repeated addition	Missing number problem Estimate Inverse Formal written method Mathematical statement Recall Integer Two- digit One- digit Tenths Efficient method Inefficient method Exchanging Commutative (in any order) Expanded short notation	Derived facts Factors Factor pairs Scaling problems Three- digit Remainders Formal short division Compact short multiplication Place holder	Decimals Four-digit Long multiplication Short division Context Common factors Common multiples Prime numbers Prime factors Composite numbers Square number Cube number Product Operations Notation Squares Cubes Context of question Fraction Formal written method	Multi-digit numbers Scale factor Long division Whole number remainders Fractions Rounding Mixed operations Prime common factors BIDMAS Order Formal column notation Compact notation

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions, Decimals and Percentages	Half Whole	Fraction Half Equal parts One whole Object Shape Quantity Quarter	<i>Same as Year 1, plus:</i>	<i>Same as KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
			Simple fractions Equivalent Equivalence Count Unit fractions Non unit fractions Numerator Denominator One whole Compare Thirds Fifths	Tenths Compare Order Add Subtract Solve problems	Hundredths Decimal Decimal place One decimal place Two decimal places Round decimals Whole number Common equivalent fractions Decimal equivalents Dividing Ones Tenths Hundredths Simple measure Money problems Improper fraction Proper fraction	Thousandths Multiples Three decimal places Factors Integer Per cent %Number of parts per hundred Percentages Decimal fraction Mixed numbers Convert Mathematical statements Multiply Percentage and decimal equivalents	Common factors Common multiples Decimal fraction equivalents Simplest form

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Ratio and Proportion							Ratio Proportion Size Quantity Missing value Integer Multiplication Division Multiply Divide Solve Problem Calculate Percentage Comparison Unequal sharing Grouping Fractions Multiples

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Algebra							<i>Same as previous year groups, plus:</i>
							Missing number problem Pairs Number sentence Variables Combination Possibility Enumerate Equation Formulae Generate Linear number sequence

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement	Measure Measurement	<i>Same as EYFS, plus:</i>	<i>Same as EYFS & Year 1, plus:</i>	<i>Same as EYFS & KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
	Size Height Weight Capacity Compare Solve Problems Object Time Wide(er) Narrow(er) Long(er) Short(er) Length Heavy/Light Heavier than Lighter than Big/Bigger/Biggest Full/Empty Tall/Taller/Tallest Half/Half full More than Less than Slower Days Weeks	Double/Half Mass Volume Quarter Quicker Earlier/Later Compare Sequence events Chronological order Before After Next First Today Yesterday Tomorrow Morning Afternoon Evening Record Metres (m) Centimetre (cm) Kilograms (kg) Grams (g) Hours Minutes Hour Half past O clock Litres Millilitres Hands Clock face Seconds Coins Notes Dates Months Pounds (£) Pence (p) Change	Greater than > Less than < Equals = Intervals Standard units Estimate Direction Temperature Unit Scales Rulers Thermometers Measuring vessels Degrees Celsius Symbols Money Different combinations a.m. p.m. Five past Ten past Quarter past Twenty past Twenty-five past Half past Twenty-five to Twenty to Quarter to Ten to Five to Value Change Total	Duration Time taken Nearest minute Record Seconds Noon Midnight Kilometre Add Subtract Millimetres (mm) Perimeter Simple 2-D shapes Analogue clock Digital Roman numerals 12-hour 24-hour Leap year	Estimate Rectilinear figure Area Rectilinear shapes Convert Kilometres (km)	Square centimetres (cm2) Square metres (m2) Irregular shapes Volume (cm3) Cubes Cuboids Square numbers Cube numbers Metric measure Metric units Imperial units Inches Pounds Pints Feet Scaling	Decimal notation Cubic centimetres (cm3) Cubic metres (m3) Cubic millimetre (mm3) Cubic kilometre (Km3) Decimal places Formulae Conversion Miles Gallons Stones Ounces Feet Perpendicular height

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Geometry (Properties of Shape)	Shape Square Rectangle Circle Triangle Sides Straight side Curved side 2-D Shapes 3-D Shapes Cube Sphere Cone Curved Straight Flat	<i>Same as EYFS, plus:</i>	<i>Same as EYFS & Year 1, plus:</i>	<i>Same as EYFS & KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		Two- Dimensional Three- Dimensional Cuboid Pyramid Cylinder Sides Corners Properties Pyramids Faces Edges Vertices Vertex Pentagon Hexagon	Compare Line symmetry Vertical line Horizontal Line Square-based pyramid Triangular pyramid Triangular prism Rectangular prism Tetrahedron Rectangular pyramid	Angle Turn Right angles Quarter of a turn Half-turn Three quarters of a turn Complete turn Vertical lines Perpendicular lines Parallel lines Quadrilaterals Heptagon Octagon Polygon Orientations Acute angle Obtuse angle Perpendicular lines Parallel lines Heptagon Octagon Nonagon Decagon Pentagonal prism Hexagonal prism Octagonal prism Octahedron Dodecahedron Pentagonal pyramid Hexagonal pyramid Octagonal pyramid Kite Rhombus Polygon	Lines of symmetry Symmetric figure Classify Geometric shapes Isosceles Equilateral Scalene Trapezium Rhombus Parallelogram Kite	Angles Measure Degrees Missing lengths Missing angles Regular polygons Irregular polygons Degrees Estimate Compare Reflex angle Point Straight line Multiples One whole turn Vertically opposite Missing angles	Radius Diameter Circumference Nets Dimensions

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Geometry (Position and direction)	Position Distance Direction Move	<i>Same as EYFS, plus:</i>	<i>Same as EYFS & Year 1, plus:</i>	<i>Same as EYFS & KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
	Movement Patterns Order Next to Behind Repeat On top of Over Under On Into	Half turn Quarter turn Three-quarter turn Full turn Whole turn Left Right Backwards Forwards Clockwise Anti-clockwise	Rotation Right angle Order Arrange Sequence Straight line		Co-ordinates Quadrant Grid Translate Translation Axis X- axis Y-axis Spaces Unit Plot Point Polygon	Reflection	Four quadrants Coordinate plane

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Statistics			Interpret Construct Pictogram Tally chart Block diagrams Horizontal Vertical x- axis y-axis key title chart title Simple tables Category Sort Quantity Total Compare Data Vertical Horizontal Bar charts Tables	<i>Same as KS1, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
				Graph Statistics Solve One- step questions Two- step questions	Time graphs Comparison problems Discrete data Continuous data Line graph Calculate	Timetables Two-way tables Total Sum	Pie chart Mean Average