



Mathematics Vocabulary

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and Place Value	<p>One, Two, Three, Four, Five, Six, Seven, Eight, Nine, Ten, Eleven, Twelve, Thirteen, Fourteen, Fifteen, Sixteen, Seventeen, Eighteen, Nineteen, Twenty</p> <p>More than, greater, larger, bigger</p> <p>Less than, fewer, smaller</p> <p>Equal to, the same amount as, as many as</p> <p>Greatest/</p> <p>Most/biggest/largest</p> <p>Least/fewest/smallest</p> <p>Hundreds, Tens, units (ones)</p> <p>Exchange</p> <p>Digit</p> <p>Notation The equals symbol (=)</p>	<p>Place value</p> <p>Digit</p> <p>One-digit</p> <p>Two-digit</p> <p>Three-digit</p> <p>Hundreds, tens, ones (units)</p> <p>Number words to one hundred</p> <p>Estimate</p> <p>Represent</p> <p>Partition</p> <p>Exchange</p> <p>Greater than / Less than, Greatest / Least</p> <p>Value</p> <p>Order</p> <p>Steps</p> <p>Multiple (of)</p> <p>Tens</p> <p>Digits</p> <p>Pattern</p> <p>Sequence</p> <p>Count on/ back</p> <p>Forward/ backward</p> <p>Predict</p> <p>Rule</p> <p>Notation: <, > and = signs</p>	<p>Place value</p> <p>Digit</p> <p>Hundreds</p> <p>Tens</p> <p>Ones</p> <p>Estimate</p> <p>Number line</p> <p>Scale</p> <p>Multiple</p> <p>More</p> <p>Less</p> <p>Positive</p> <p>Number line</p> <p>Notation Use of <, > and = symbols when comparing numbers</p>	<p>Place value</p> <p>Digit</p> <p>Thousands</p> <p>Hundreds</p> <p>Tens</p> <p>Ones</p> <p>Zero</p> <p>Roman Numeral</p> <p>Estimate</p> <p>Number line</p> <p>Scale</p> <p>Multiple</p> <p>More</p> <p>Less</p> <p>Positive</p> <p>Negative</p> <p>(One, Two) Decimal Place</p> <p>Estimating: Approximate (noun and verb)</p> <p>Round</p> <p>Decimal place</p> <p>Check</p> <p>Solution</p> <p>Answer</p> <p>Estimate (noun and verb)</p> <p>Notation The approximately equal symbol (\approx)</p>	<p>Multiple</p> <p>(Common) factor</p> <p>Divisible</p> <p>Factor pairs</p> <p>Prime number, Composite number</p> <p>Square number, Cube number</p> <p>Power</p> <p>Place value</p> <p>Digit</p> <p>Roman numerals</p> <p>Negative number</p> <p>Notation 5^2 is read as '5 to the power of 2' or '5 squared' and means '2 lots of 5 multiplied together'</p> <p>5^3 is read as '5 to the power of 3' or '5 cubed' and means '3 lots of 5 multiplied together'</p> <p>Estimating: Approximate (noun and verb)</p> <p>Round</p> <p>Decimal place</p> <p>Check</p> <p>Solution</p> <p>Answer</p> <p>Estimate (noun and verb)</p> <p>Accurate</p> <p>Accuracy</p> <p>Notation The approximately equal symbol (\approx)</p>	<p>Place value</p> <p>Digit</p> <p>Negative number</p> <p>(Common) multiple</p> <p>(Common) factor</p> <p>Divisible</p> <p>Prime number, Composite number</p> <p>Approximate (noun and verb)</p> <p>Round</p> <p>Decimal place</p> <p>Check</p> <p>Solution</p> <p>Answer</p> <p>Estimate (noun and verb)</p> <p>Order of magnitude</p> <p>Accurate</p> <p>Accuracy</p> <p>Notation The approximately equal symbol (\approx)</p>
Calculating	<p>Addition and subtraction:</p> <p>One more, one less</p> <p>Count on, count back</p> <p>One hundred</p>	<p>Addition and subtraction:</p> <p>Add, subtract</p> <p>Count on, count back</p> <p>More, less</p>	<p>Addition and subtraction:</p> <p>Calculation</p> <p>Calculate</p> <p>Addition</p>	<p>Addition and subtraction:</p> <p>Addition</p> <p>Subtraction</p> <p>Sum, Total</p>	<p>Addition and subtraction:</p> <p>Addition</p> <p>Subtraction</p> <p>Sum, Total</p>	<p>Addition</p> <p>Subtraction</p> <p>Sum, Total</p> <p>Difference, Minus, Less</p> <p>Column addition</p> <p>Column subtraction</p>

	<p>Number bonds/ number facts Addition facts/ subtraction facts Fact family Add, subtract Count on, count back More, less Plus, minus, total, sum Difference between Equal, equal to</p> <p>Notation The symbols '+', '-' and '='</p> <p>Multiplication and Division: Calculation, Calculate Odd, Even Multiply, Multiplication, Times, Product Repeated addition Array Divide, Division Groups Grouping Sharing</p>	<p>Plus, minus, total, sum Difference between Partition Bridge Round, adjust Inverse Number line Number facts Multiple of ten, tens boundary</p> <p>Multiplication and Division: Calculation, Calculate Multiplication table, Times table Odd, Even Multiply, Multiplication, Times, Product Repeated addition Array Mathematical statement Commutative Divide, Division Inverse Operation</p> <p>Notation: x, ÷ and = signs</p>	<p>Subtraction Sum, Total Difference, Minus, Less Column addition Column subtraction Exchange Operation Estimate</p> <p>Multiplication and Division: Calculation Calculate Mental arithmetic Multiplication table, Times table Multiply, Multiplication Times Product Commutative Divide, Division Inverse Operation Estimate</p>	<p>Difference, Minus, Less Column addition Column subtraction Exchange Operation Estimate</p> <p>Multiplication and Division: Mental arithmetic Place value Multiply, Multiplication, Times, Product Commutative Divide, Division Tenth, Hundredth Factor, Factor product Short multiplication Operation Estimate</p>	<p>Difference, Minus, Less Column addition Column subtraction Exchange Operation Estimate</p> <p>Multiplication and Division: Multiply, Multiplication, Times, Product Commutative Divide, Division, Divisible Divisor, Dividend, Quotient, Remainder Factor Short multiplication, Long multiplication Short division Operation Estimate</p> <p>Notation Remainders are often abbreviated to 'r' or 'rem'</p>	<p>Operation Multiply, Multiplication Times Product Commutative Factor Short multiplication Long multiplication Estimate DIVISION: Commutative Divide, Division, Divisible Divisor, Dividend, Quotient, Remainder Factor Short division Long division Remainder Operation Estimate</p> <p>Notation Remainders are often abbreviated to 'r' or 'rem'</p>
<p>Properties of Shape</p>	<p>2-D shape (polygon) Rectangle, square, circle, triangle and other 2-D shapes if appropriate 3-D shape Cuboid, cube, cone, cylinder, pyramid, sphere Shape, pattern Flat, curved, straight, round, hollow, solid Corner, point, pointed Face, side, edge, end Sort, make, build, draw</p>	<p>2-D shape (polygon) Rectangle, Square, Circle, Triangle and other 2-D shapes Quadrilateral Circular, Triangular, Rectangular 3-D shape Cuboid, Cube, Cone, Cylinder, Pyramid, Sphere, Prism Side, Corner, Line symmetry, Vertical Mirror line, Reflection, Fold Edge, Vertex, Vertices, Face Regular Irregular</p>	<p>Horizontal Vertical Perpendicular Parallel Face, Edge, Vertex (Vertices) Cube, Cuboid, Prism, Cylinder, Pyramid, Cone, Sphere Quadrilateral Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus Triangle, Circle Polygon, Hexagon, Pentagon, Octagon, Decagon</p> <p>Notation Arrow notation to represent parallel lines Right angle notation for perpendicular lines</p>	<p>Symmetry Line of symmetry, Mirror line Reflect, Reflection Congruent Perpendicular, Parallel Vertex (Vertices) Side, Edge Quadrilateral Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus Triangle Scalene, Right-angled, Isosceles, Equilateral Polygon, Hexagon, Pentagon, Octagon, Decagon Circle</p> <p>Notation Dash notation to represent equal lengths in shapes and geometric diagrams</p>	<p>Rectangle Square Quadrilateral (Regular / irregular) polygon, pentagon, hexagon, octagon (Right) angle Parallel Perpendicular Coordinates</p> <p>Notation Dash notation to represent equal lengths in shapes and geometric diagrams Right angle notation (Cartesian) coordinates</p> <p>Cube Cuboid Cylinder Pyramid Prism Cone</p>	<p>Protractor Measure Nearest Construct Sketch Cube, Cuboid, Cylinder, Pyramid, Prism Net Edge, Face, Vertex (Vertices) Visualise Quadrilateral, Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus, Delta, Arrowhead Triangle, Scalene, Right-angled, Isosceles, Equilateral Polygon, Regular, Irregular Pentagon, Hexagon, Octagon, Decagon, Dodecagon Circle, Radius, Diameter, Circumference, Centre Parallel Diagonal</p>

				Right angle notation to indicate perpendicular lines	Sphere 2D 3D Net Sketch Isometric paper	Angle Notation Dash notation to represent equal lengths in shapes and geometric diagrams Right angle notation
Algebra proficiency; using formula					Forwards Backwards Ascending Descending Pattern Sequence	Formula, Formulae Expression Variable Substitute Symbol Mile Kilometre Metric Imperial Notation When written algebraically a formula should not include any units.
Fractions, decimals and percentages	Part Equal Whole Half, halves Quarter Fraction Numerator Denominator Notation Horizontal bar for fractions; $\frac{1}{2}$, $\frac{1}{4}$ Diagonal bar for fractions; $\frac{1}{2}$, $\frac{1}{4}$	Part Equal Whole Half, halves Quarter, three quarters Third Equivalent Fraction Numerator Denominator Unit fraction, non-unit fraction Notation Horizontal bar for fractions Diagonal bar for fractions	Fraction Unit fraction Non-unit fraction Numerator Denominator Equivalent (fraction) Compare Greater than, less than Notation Horizontal bar for fractions Diagonal bar for fractions Use of <, > and = symbols when comparing fractions Place value Tenth Decimal Divide Fraction Unit fraction Non-unit fraction Numerator Denominator Add Subtract Notation Decimal point t notation for tenths Horizontal bar for fractions Diagonal bar for fractions	Place value Tenth, hundredth Decimal Divide Fraction Numerator Denominator Tenth Hundredth Decimal Notation Decimal point t, h notation for tenths, hundredths Fraction Unit fraction, non-unit fraction Improper fraction Top-heavy fraction Numerator, denominator Add, subtract Equivalent (fraction) Family Notation Horizontal bar for fractions Diagonal bar for fractions	Fraction Numerator Denominator Improper fraction, Proper fraction, Vulgar fraction, Top-heavy fraction Tenth, hundredth, thousandth Per cent, Percentage Decimal Equivalent Notation Diagonal fraction bar / horizontal fraction bar Place value Tenth, hundredth, thousandth Decimal Proper fraction, Improper fraction, top-heavy fraction Vulgar fraction Numerator, denominator Percent, percentage Notation Decimal point t, h, th notation for tenths, hundredths, thousandths Horizontal / diagonal bar for fractions	Fraction Improper fraction, Proper fraction, Vulgar fraction, Top-heavy fraction Percentage Decimal Proportion Simplify Equivalent Lowest terms Notation Diagonal fraction bar / horizontal fraction bar

Proportional reasoning						Proportion Quantity Integer Similar (shapes) Enlargement Scale factor Group Share Multiples
Pattern sniffing						Pattern Sequence Linear Term Ascending Descending
Measure	<p>Time: Day, week, month, season, year, leap year Weekend, fortnight Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday January, February, March, April, May, June, July, August, September, October, November, December Before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening Clock Hand, hour hand, minute hand Hour, minute o'clock, half past</p> <p>Notation A colon is used to separate hours and minutes when writing the time</p> <p>Space: Measure Length, height, distance Mass, weight Time Capacity, volume Long, short, longer, shorter, tall, taller Heavy, light, heavier, lighter Full, empty, half full Quicker, slower, earlier, later</p>	<p>Time: Time Hour, minute, second Day o'clock Half past Quarter to, quarter past Clock Hands Analogue Interval</p> <p>Notation A colon is used to separate hours and minutes when writing the time</p> <p>Space: Unit Length, height, distance, width, breadth Mass, weight Temperature Capacity, volume Metre, centimetre Gram, kilogram Litre, millilitre Degrees Celsius Ruler, metre stick, tape measure Scale, scales Thermometer Container, vessel Order, Compare, greater than, less than</p> <p>Notation</p>	<p>Time: Analogue 12-hour 24-hour o'clock Morning Afternoon Noon, Midnight Second, Minute, Hour Day, Week, Month Year Leap year Roman Numeral</p> <p>Notation The Roman numeral for 4 is IV. It is the only exception to the rules of Roman numerals as it is sometimes written IIII on a clock or watch Using a.m. and p.m. for 12-hour clock notation</p> <p>Space: Length, distance Mass Volume Capacity Metre, centimetre, millimetre Kilogram, gram Litre, millilitre Perimeter 2-D</p> <p>Notation</p>	<p>Time and money: Analogue Digital 12-hour 24-hour Second, Minute, Hour Day, Week, Month, Year Pound (£) Pence (p) Length Mass Volume</p> <p>Notation £ and p 12-hour and 24-hour notation use a ':', for example 18:40 and 9:30 a.m.</p> <p>Space: Length, distance Mass Volume Capacity Metre, centimetre, millimetre Kilogram, gram Litre, millilitre Hour, minute, second Decimal</p> <p>Notation Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml</p> <p>Perimeter</p>	<p>Space: Length, distance Mass, weight Volume Capacity Metre, centimetre, millimetre Kilogram, gram Litre, millilitre Hour, minute, second Inch, foot, yard Pound, ounce Pint, gallon</p> <p>Notation Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml Abbreviations of units in the Imperial system: lb, oz</p> <p>Space: Perimeter Area Volume Capacity Dimensions Square, rectangle Composite rectilinear Polygon Cube, cuboid Millimetre, Centimetre, Metre, Kilometre Square centimetre, square metre Cubic centimetre, centimetre cube Square unit</p>	<p>Length, distance Mass, weight Volume Capacity Metre, centimetre, millimetre Tonne, kilogram, gram, milligram Litre, millilitre Hour, minute, second Inch, foot, yard Pound, ounce Pint, gallon</p> <p>Notation Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml Abbreviations of units in the Imperial system: lb, oz</p>

	<p>More than, greater than, less than Double, half, quarter Hour, minutes, second Ruler Container Order, Compare</p> <p>Money: Money Coin Note</p>	<p>Abbreviations of units: m, cm, g, kg, l, ml, °C The symbols >, < and =</p> <p>Money: Money Coin Change Note</p> <p>Notation Pounds (£) Pence (p)</p>	<p>Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml</p> <p>Money: Money Coin Change Note</p> <p>Notation Pounds (£) Pence (p)</p>	<p>Area Dimensions Square Rectangle Rectilinear Polygon Millimetre, Centimetre, Metre, Kilometre</p> <p>Notation Abbreviations of units in the metric system: km, m, cm, mm</p>	<p>Notation Abbreviations of units in the metric system: km, m, cm, mm, cm², m², cm³</p> <p>Time: Millennium Century Decade Year Month Week Day Hour Minute Second Timetable</p> <p>Notation 12- and 24-hour clock notation 24-hour clock notation can be with or without a colon separating hours and minutes Analogue clocks with Arabic or Roman numerals</p>	
Position and direction	<p>Position Direction Top, middle, bottom On top of In front of Above Between Around, Near, Close, Far Up, Down Inside, Outside Forwards, Backwards Left, Right Half turn, Quarter turn, Three-quarters turn Straight Line Clockwise</p>	<p>Forwards, Backwards Left, Right Angle Right angle Turn Quarter, Half, Three quarters Rotation Position Direction Straight Line Clockwise, anticlockwise</p>	<p>Angles: Half Quarter Three quarters Angle Turn Right angle Greater than, less than</p> <p>Notation Right angle notation</p>	<p>Angles: Turn Angle Right angle Acute angle Obtuse angle Greater than, less than</p> <p>Notation Right angle notation Arc notation for all other angles</p> <p>Movement: 2-D Grid Axis, axes, x-axis, y-axis Origin (First) quadrant (Cartesian) coordinates Point Translation Transformation Left, right, up, down</p>	<p>Angles: Turn Angle Degrees Right angle Acute angle Obtuse angle Reflex angle Protractor</p> <p>Notation Right angle notation Arc notation for all other angles The degree symbol (°)</p> <p>Movement: 2-D Grid Axis, axes, x-axis, y-axis Origin (First) quadrant (Cartesian) coordinates</p>	<p>Angle Degrees Right angle Acute angle Obtuse angle Reflex angle Protractor Vertically opposite</p> <p>Notation Right angle notation Arc notation for all other angles The degree symbol (°)</p>

				Notation Cartesian coordinates should be separated by a comma and enclosed in brackets (x, y)	Point Translation Reflection Transformation Object, Image Congruent, congruence Notation Cartesian coordinates should be separated by a comma and enclosed in brackets (x, y)	
Statistics		Data Pictogram Tally, Tally chart Block diagram Table Category, Categorical data Total Compare Notation When tallying, groups of five are created by striking through each group of four	Data Pictogram Symbol Key Tally Bar chart Table Total Compare Axis Notation When tallying, groups of five are created by striking through each group of four	Data Pictogram Symbol Key Tally Bar chart Time graph Scale Axis Graph Frequency	Data Scale Axis Graph Frequency Time graph, Time series Line graph Bar-line graph, vertical line chart Maximum, minimum	