



Maths progression of vocabulary

Generic maths vocabulary:

Digit, integer, number, answer, solution, solve, work out, systematic, group, share, sort, diagram, represent, pattern, relationship, rule, sequence, explain, correct, incorrect, true, false, agree, disagree, same, different, bar model, part-whole model, formal method, equal to, more, less, greater than, fewer, less than, largest, greatest, least, most, estimate, approximately.

	Number – Place Value	Number – Addition and Subtraction	Number – Multiplication and Division	Number – Fractions	Measurement	Geometry – Shape	Geometry – Position and direction	Statistics
Reception	Number; zero; numbers to 20; count, forwards, backwards; how many, more, fewer, equal, group; order, largest, smallest, less; even, odd.	One more, one less, altogether, how many are left? Same, different, number bond, part-whole, add, take-away,	Double, half, halve, halving, pairs, twice as many, share, equal, unequal, group, left over	Half, halve, halving	Now, before, soon, later, after, next, fastest; time, yesterday, today, tomorrow, day, week, weekend, month, year; Days of the week: Monday, Tuesday, etc. Seasons: spring, summer, autumn, winter; birthday, holiday; Morning, afternoon, evening, night, midnight	Shape, circle, triangle, rectangle, square, side, straight, curved, cylinder, cube, cuboid, cone, sphere, pyramid, face, same, different, pattern.	On, next to, over, under, around, through.	



					bedtime, dinner/lunch time, playtime; length, height, breadth, tall, short, long, tallest, shortest, longest, longer/shorter, taller/shorter, wider/narrower, weigh, weight, heavy, heavier, heaviest, light, lighter, lightest, balance			
Year 1 (as Reception, plus)	Numbers to 100; place value; digit, integer; symbol; compare; equal to, more, less, greater than, fewer, less than, greatest, smallest; first, second, third... last; ones, tens, partition, exchange; order, largest, smallest,	Number bonds, part, whole; plus; fact family, addition sentence, number sentence; how many more; number line; commutative; addition, more, make, sum, total, add together; calculation; Inverse equals, is the same as	How many altogether? How may are there?; groups, groups of, equal groups, unequal groups; row, column, array; number sentence; double, doubles; equal groups of 2, equal groups of 5, equal groups of 10; share, sharing, equally,	Whole, parts, equal parts, the same; split; groups; share; equally; quarter; four equal parts One half, two halves A quarter, two quarters	Length, measure, measuring; ruler, cm; mass; balance, scale; volume, full, half full, quarter full, empty; capacity; holds, Container; money; value; coin; note; amount; 1p, 2p, 5p, 10p, 20p, 50p, £1, £2, £5, £10; hour, o'clock, half past,	Polygon, 2D, 3D, group, sort, corner (point, pointed) Face, side, edge Make, build, draw.	Turn, full, half, quarter, three quarter; direction; movement, move; position; left, right, up, down; top, bottom, middle, above, below, between; in front, behind.	



	biggest, least, most.	(including equals sign); subtract, subtraction, take away, minus; difference between, what is the difference? how many more?, how many less? how much more is? how many fewer is?, how much less is?	odd, even,		clock, watch, hands; hour, minute, second; before, after next, last now, soon, early, late quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly old, older, oldest, new, newer, newest			
Year 2	2-digit; base 10; pattern; sequence; Numbers to one hundred Hundreds Partition, recombine Hundred more/less	Bar model; operation, inverse operation; column; exchange; bridge; method;	Times-table; facts; multiples; repeated addition; lots of; of; multiply; multiplied by; times; commutative; twos, fives, tens, threes; array; go into; divide, divide between, division, dividing; grouping, sharing;	Two quarters, three quarters, one third, two thirds; unit fraction, numerator, denominator, vinculum; equivalence, equivalent.	Change, total; distance; metres; g/kg; ml/l; temperature, thermometer, degrees Celsius, increase, decrease, warmer, colder; quarter past/to, 5 past, 10 past, twenty to etc, start, duration, end, interval, how long...? When did it	Pentagon, hexagon, octagon, quadrilateral; prism; vertices, vertex; rotate; Symmetry, symmetrical, line of symmetry; horizontal, vertical; Fold; pattern, repeating pattern.	Direction, forwards, backwards; right angle; rotation, Clockwise, anticlockwise.	Count, tally, tally chart, table; data, represent, sort; pictogram, symbol; block diagram, axis; label, title, scale; most popular, most common, least popular, least common; Venn diagram, Carrol diagram.



					start /end /finish...?, seconds;			
Year 3	Numbers to one thousand; 3-digit; thousand; ascending, descending;	Column, column addition and subtraction; regroup; efficient; estimate.	Fours, eights; remainder; divisor, dividend, quotient.	Non-unit fraction; tenths, two tenths, three tenths etc; two thirds; fifth, sixth, ninth; decimal, decimal point;	mm; perimeter; leap year; minutes past/to; a.m., p.m.; analogue, digital; twelve-hour /twenty-four-hour clock; Roman numerals I to XIII.	Parallel, perpendicular; surface; acute angle, obtuse angle.	North, South, East, West; angle, point, acute, obtuse; ninety degrees Orientation (same orientation, different orientation)	Chart, bar chart; frequency table, Carroll diagram, Diagram
Year 4	Numbers to ten thousand; Roman numerals to one hundred; round, nearest; approximately; negative, minus, count through zero; tenths, hundredths, 0.25, 0.5, 0.75.	Formal method.	Sixes, sevens, nines; produce, product; associative law; commutativity; factor, factor pair; formal method;	Proper fraction, improper fraction, mixed number; hundredths; Gattegno chart.	Km; rectilinear; area, square centimetres; warmest, coldest.	Isosceles, scalene, equilateral; rhombus, parallelogram, trapezium; regular polygon; mirror line, reflect.	Coordinates, translation, first quadrant, x-axis, y-axis.	Continuous data, discrete data; line graph, x-axis, y-axis.
Year 5	Numbers to a million; Roman numerals to one thousand; powers of 10.	Place holder.	Common factor, prime number, composite number, prime	Common denominator; thousandth; simplify, simplified;	Imperial units, metric units, inches, lbs, pints; timetable;	Degrees, protractor, reflex angle; irregular polygon,	Reflection, reflect.	



			factor, square number, cubed number; round up/down.	convert; per cent, percentage, per hundred;	compound shape; volume, capacity, cm cubed/cubic cm.	dimensions; net.		
Year 6	<p>Numbers to ten million.</p> <p>Algebra: Function, input, output; algebra, algebraic, rule; expression; substitute; formula, formulae; equation; value, possible values, enumerate.</p>		Order of operations, BIDMAS; common multiple, lowest common multiple.	<p>Cancel, highest common factor, common numerator.</p> <p>Ratio, proportion; for every_ there are_ :(to); enlargement, scale factor.</p>	Tonnes, ounces, stone, miles.	Vertically opposite (angles), internal angles; circumference, radius, diameter, centre.	Four quadrants.	Mean, pie chart.