



Mathematics Vocabulary Progression



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	FS1	FS2	Y1	Y2	Y3	Y4	Y5	Y6
Number	Zero, number, one, two, three ... to twenty and beyond, teens numbers, eleven, twelve ... twenty, none, how many ...?, count, count (up) to, count on (from, to), count back (from, to), count in ones, more, less	Ones, tens, digit, the same number as, as many as, more, larger, bigger, greater fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one less, ten less, compare, order, size, first, second, third... twentieth, last, last but one, before, after, next, between	Number, numeral, zero, one, two, three ... twenty, teens numbers, eleven, twelve ... twenty, twenty-one, twenty-two ... one hundred, none how many ...? count, count (up) to, count on (from, to), count back (from, to) forwards, backwards, count in ones, twos, fives, tens, equal to, equivalent to, is the same as, more, less, most, least, many, odd, even, multiple of, few, pattern, pair, most, least, odd and even, number line, number square, number track	Two hundred....one thousand, threes, fours and so on, tally, sequence, continue, predict, rule, greater than, less than, hundreds, one-, two- or three digit number, partition, value, rule, stands for, represents, twenty-first, twenty-second and so on Exact, exactly > < greater than, less than,	Eights, fifties, hundreds, factor of, relationship, Roman numerals , thousand+, relationship,	Thousands, Ten thousand, hundred thousand, sixes, sevens, nines, twenty-fives, next, consecutive, integer, positive integer, positive number, negative integer, negative number, above/below zero, minus/negative numbers, next, consecutive, sort, classify, property, Roman numerals to 100	Factor pair, $\geq$ greater than or equal to, $\leq$ less than or equal to, formula, divisibility, square number, prime number, ascending/descending order, Roman numerals to 1000 Term-to-term rule (sequences) Million, Composite number	Factorise, prime factor, digit total, recurring, numbers to ten million+
Place Value	Ones, tens, digit, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, one less, compare, order,	Ones, tens, digit, the same number as, as many as, more, larger, bigger, greater fewer, smaller, less, fewest, smallest, least,	Place value, ones, tens digit, the same number as, as many as, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most,	place value, stands for, represents, exchange, twenty-first, twenty second.... exact, exactly, one two three digit number	One hundred more, one hundred less, place holder, near double	one thousand more, one thousand less, thousand	Numbers to ten thousand Numbers to one million	recurring, numbers to ten million+



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	size, first, second, third... twentieth, last, before, after, next, between	most, biggest, largest, greatest, one more, ten more, one less, ten less, compare, order, size, first, second, third... twentieth, last, last but one, before, after, next, between	biggest, largest, greatest, one more, ten more, one less, ten less, equal to, one more, ten more, one less, ten less, compare, order, size, first, second, third... twentieth, last, last but one, before, after, next, between, half-way between, above, below,					
Estimating	Guess, how many ...?, estimate, nearly, close to, about the same as, just over, just under, too many, too few, enough, not enough	Guess, how many ...?, estimate, nearly, close to, about the same as, just over, just under, too many, too few, enough, not enough	Estimating Guess, how many ...?, estimate, nearly, roughly, close to, about the same as, just over, just under, too many, too few, enough, not enough	guess, estimate enough, not enough too much, too little too many, too few nearly, close to, about the same as roughly just over, just under, round, nearest	Approximate, approximately round, nearest, round to the nearest ten, hundred, round up, round down	Round, nearest, round to the nearest ten, hundred, thousand	Approximation, Estimating for calculations Rounding for estimation including decimal numbers to tenths Round to the nearest ten thousand and hundred thousand	Rounding for estimation including decimal numbers to three decimal places



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Addition and Subtraction	Count on, add, more, and, make, sum, total, altogether, double, one more, take away, how many have gone? , one less	Add, more, and, make, sum, total, altogether, double, one more, two more ... ten more, how many more to make ...?, how many more is ... than ...?, how much more is ...?, take away, how many are left/left over? , how many have gone? , one less, two less, ten less ... , how many fewer is ... than ...? , how much less is ...?, difference between	Addition, add, more, and, make, sum, total, altogether, double, near double, half, halve, one more, two more ... ten more how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away, how many are left/left over? how many have gone? one less, two less, ten less ... how many fewer is ... than ...? how much less is ...? difference between, equals, is the same as, number bonds/pairs, missing number, number bond, put together, number sentence	One hundred more, one hundred less, number facts, ones boundary, tens boundary, calculate, calculation, correct, symbol,	Hundreds boundary, Column addition, Column subtraction, exchanging, equation	Inverse, increase, decrease	tenths boundary Hundredths boundary	Order of operations (BODMAS) Thousandths boundary
Multiplication and Division	Sharing, doubling, halving	Sharing, doubling, halving, number patterns	Multiplication, multiply, multiplied by, multiple, division, dividing, grouping, sharing, doubling, halving, array, number patterns, equal	groups of, lots of times, once, twice, three times ... ten times, repeated addition, divide, divided by, divided into, share, share equally, left, left	Product, remainder, Short division (bus stop method), equation	Inverse, square, squared, cube, cubed, factor, factor pair, divisible by	To the power of... Divisibility Common factor, prime factor, divisor, factorise	Long Division, Long multiplication, brackets, common multiple, quotient



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			to, multiple, share	over, one each, two each, three each ... ten each, group in pairs, threes ... tens, equal groups of, row, column, multiplication table, multiplication fact, division fact				
Fractions			Fraction, equal part, equal grouping, equal sharing, parts of a whole, half, one of two equal parts, quarter, one of four equal parts	Equivalent fraction, mixed number, numerator, denominator, two halves, two quarters, three quarters, one third, two thirds, one of three equal parts	Fifths, tenths, two thirds, three thirds, denominator, numerator	equivalent, proportion, simplify, simplifying sixth, sevenths, eighths, twentieth, hundredths,	Common fraction, Proper/improper fraction, mixed number, equivalent, reduced to, cancel, , ninth, twelfth,	Mixed number and improper fraction conversions, Common denominator
Ratio and Proportion						proportion	in every, for every	Quantities, comparison, scale, scale factor, proportion, ratio
Decimals and Percentages					tenths	Equivalent, equivalence Tenths Hundredths, decimal, decimal fraction, decimal point, decimal place, decimal	percentage, percent, % tenths, hundredths, thousandths	Recurring decimal, tenths, hundredths, thousandths



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Measurement	Measure, size, compare, guess, estimate, enough, not enough, too much, too little too many, too few, nearly, close to, about the same as, just over, just under metre, length, height, width, depth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, near, close, weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest, scales full, empty, half full, holds, container	Measure, size, compare, guess, estimate, enough, not enough, too much, too little too many, too few, nearly, close to, about the same as, just over, just under metre, length, height, width, depth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, near, close, weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest, scales full, empty, half full, holds, container	Measure, measurement, size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few nearly, close to, about the same as, roughly, just over, just under, centimetre, metre, length, height, width, depth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on, longest, shortest, tallest, highest ... and so on, far, near, close, ruler, metre stick, kilogram, half kilogram, weigh, weighs, balances, heavy, light, heavier than, lighter than heaviest, lightest scales, litre, half litre, capacity, volume, full, empty, more than, less than,	Measuring scale, further, furthest, tape measure, m to represent metre, cm to represent centimetre, mass, weight, kilogram (kg), gram (g), half-kilogram litre (l), half-litre, millilitre (ml), contains, temperature, degree, capacity, volume,	Approximately, millimetre, kilometre, mile, distance apart....between....to....from, perimeter, centigrade,	Unit, standard unit, metric unit, breadth, edge, area, Perimeter, convert, square centimetre (cm ²) mass: measuring cylinder	Square metre (m ²), square millimetre (mm ²), pint, gallon, imperial unit, inch, pound (lb), pint	Yard, inch, inches, foot, feet, circumference, tonne, pound, ounce, centilitre, cubic centimetres (cm ³), cubic metres (m ³), cubic millimetres (mm ³), cubic kilometres (km ³), miles per hour
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			half full quarter full, holds, container					
Time	Time, days of the week, Monday, Tuesday ...,day, week, months, year birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after next, last, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, young, younger, youngest, new, newer, newest, O'clock/half past/minutes/hours (talking about time)	Time, days of the week, Monday, Tuesday ...,day, week, months, year birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after next, last, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, young, younger, youngest, new, newer, newest, takes longer, takes less time, hour, o'clock, clock, watch, hands	time, days of the week, Monday, Tuesday ... months of the year (January, February ...) seasons: spring, summer, autumn, winter, day, week, weekend, month, year, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, earlier, later, next, first, last midnight, date, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest new, newer, newest, takes longer, takes less time, how long ago?	fortnight, 5,10,15.... Minutes past, digital, analogue, clock, watch, timer, seconds,	Century, calendar, earliest, latest, a.m, p.m, roman numerals, 12-hour clock time, 24-hour clock time, date, Roman numerals 1-12	leap year, millennium, noon, date of birth, timetable,	arrive, depart	Greenwich Mean Time, British Summer Time, International Date



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			how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually, once, twice, hour, o'clock, half past, quarter past, quarter to clock, clock face, watch, hands, hour hand, minute hand, hours, minutes,					
Money	Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, P	Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, P	Names of coins, Money, coin, penny, pence, pound, price, cost buy, sell, spend, spent, pay, change, dear, costs more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? total	bought, sold, change, note,	More expensive, most expensive, less expensive, least expensive, amount, value, worth		discount, currency	Line, profit, loss
Geometry	Shape, pattern flat curved, straight round hollow, solid sort make, build, draw size bigger, larger, smaller symmetrical pattern, repeating pattern, match, corner (including vertex/vertices), side, rectangle (including square)	shape, pattern flat curved, straight round hollow, solid sort make, build, draw size bigger, larger, smaller symmetrical pattern, repeating pattern, match, corner (including vertex/vertices), side, rectangle	shape, pattern, flat, curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller, symmetry, symmetrical, symmetrical pattern, pattern, repeating pattern, match,	Property, Surface, line symmetry, mirror line, reflection, rectangular, circular, triangular, rectangular, oblong, pentagon, hexagon, octagon, quadrilateral, kite, polygon,	Perimeter, semi-circle, pentagonal, hexagonal, octagonal, quadrilateral, right-angled, right-angled triangle, parallel, perpendicular, hemisphere, prism, triangular prism, polyhedron, non-symmetrical, regular, irregular, right angle, angle Is a greater/smaller angle than, acute angle, obtuse angle	Line, construct, sketch, centre, angle, right-angled, base, square-based, reflect, reflection, regular, irregular, 2- D, two-dimensional, oblong, rectilinear, equilateral triangle, isosceles	Congruent, axis of symmetry, reflective symmetry, x-axis, y-axis, quadrant, octahedron, coordinate, degrees, angles on a straight line, angles at a point, reflex angle	circumference, radius, diameter, concentric, arc, net, open, closed, intersecting, intersection, plane, dodecahedron, icosahedron. Kite, cross-section, geometric, vertically opposite,



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	circle, triangle, face, edge, vertex, vertices, cube, pyramid, sphere, cone, cuboid, cylinder.	(including square) circle, triangle, pentagon, face, edge, vertex, vertices, cube, pyramid, sphere, cone, cuboid, cylinder	corner (encourage the use of vertices), side, point, pointed rectangle (including square) circle, triangle, face, edge, vertex, vertices, cube, cuboid, pyramid, sphere, cone, cylinder,	vertical, horizontal, edge, vertex, vertices, 2D, 3D,		triangle, scalene triangle, heptagon, parallelogram, rhombus, trapezium, polygon, 3-D, three-dimensional, spherical, cylindrical, tetrahedron, polyhedron, reflection, ruler,		net, open, closed, reflex angle,
Position and Direction	Position, over, under, above, below, top, bottom, side, on, in, outside, inside, around, in front, behind, front, back beside, next to, opposite, apart, between, middle, edge, corner, direction, left, right, up, down, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, away from, movement, slide, roll, turn, stretch, bend	Position, over, under, above, below, top, bottom, side, on, in, outside, inside, around, in front, behind, front, back beside, next to, opposite, apart, between, middle, edge, corner, direction, left, right, up, down, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, away from, movement, slide, roll, turn, stretch, bend, whole turn, half turn	position, over, under, underneath, above, below, top, bottom, side, on, in, outside, inside, around, in front, behind, front, back, beside, next to opposite, apart, between, middle, edge, centre, corner, direction, journey, left, right, up, down, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, away from, movement, slide, roll, turn, stretch, bend, whole turn, half	route, higher, lower, clockwise, anti-clockwise, right angle, straight line, map, plan, compass point, N S E W	compass point, north, south, west, east, N, S, E, W, horizontal, vertical, diagonal,	compass, north-east, north-west, south-east, south-west, NE, NW, SE, SW, degree, origin, co-ordinates, set square, angle measurer, first quadrant, plot	Translation, translate, rotate, rotation, rotation symmetry, protractor, two quadrants	Four quadrants



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			turn, quarter turn, three-quarter turn					
Statistics	Count, sort group, set, list	Count, sort group, set, list	count, sort, vote, group, set, list, table	tally, graph, block graph, block diagram, pictogram, represent, label, title, scale, most popular, most common, least popular, least common, category	Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram, grid, interval, data, row, column	Survey, questionnaire, data, time graph, interpret	Database, bar line chart, line graph, maximum/minimum value, outcome, timetable, x-axis, y-axis	Pie charts, mean (mode, median, range as estimates for this) statistics, distribution, rate, sample
Algebra								Formulae, equation, unknown, variable, symbol, algebra, algebraic, expression, equivalent expression, evaluate
Problem Solving	Reasoning about numbers or shapes, pattern, puzzle, answer, right, wrong, what could we try next?, how did you work it out?, count, sort, group, set, match same, different, list	Reasoning about numbers or shapes, pattern, puzzle, answer, right, wrong, what could we try next?, how did you work it out?, count, sort, group, set, match same, different, list	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next? how did you work it out? explain your thinking recognise, describe, draw, compare, sort	Show how you....., explain your method, describe the pattern, describe the rule, investigate, mental calculation, written calculation	Greatest value, least value, statement	Justify, make a statement	Explain your reasoning	Explain your reasoning