Maths Vocabulary Progression

Year	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value	New: amount, backwards, collection, count, few, fewer (than), forwards, how many, largest, lot(s), more (than), number, numeral, same, smallest, subitise	Revisit: amount, backwards, collection, count, few, fewer (than), forwards, how many, largest, lot(s), more (than), number, numeral, same, smallest, subitise New: after, before, different, represent, zero	Revisit: after, before, different, represent, zero New: compare, count on, digit, fewest, greater than, greatest, less than, most, one(s), order, partition, represent, ten(s), ordinal numbers (first, second, third, etc)	Revisit: compare, count on, digit, fewest, greater than, greatest, less than, most, one(s), order, partition, represent, ten(s), ordinal numbers (first, second, third, etc) New: exchange, interval, least, multiple, value,	Revisit: exchange, interval, least, multiple, value, New: ascending, descending, hundred(s), part, whole	Revisit: ascending, descending, hundred(s), part, whole New: place holder, Roman, numeral, round, thousands	Revisit: place holder, Roman, numeral, round, thousands New: hundred, thousand(s), integer, negative number, millions, power of 10, ten thousand	Revisit: hundred, thousand(s), integer, negative number, millions, power of 10, ten thousand New: ten million
Addition/Subtraction		New: 1 less, 1 more, add, add more, altogether, first, left, now, part, take away, whole	Revisit: 1 less, 1 more, add, add more, altogether, first, left, now, part, take away, whole New: addition, add together, subtraction/ subtract, difference, double, efficient, equal to, fact family,	Revisit: addition, add together, subtraction/ subtract, difference, double, efficient, equal to, fact family, greater, group, inverse, less, minus, near double, number bond, plus, symbol, systematic, total	Revisit: calculation, exchange, method, multiple, one(s), operation, partition, related facts, ten(s), value, increase, decrease, sum	Revisit: addition, column, subtraction, digit, estimate, exchange, hundred(s), inverse, crossing the 10, crossing the 100 New: efficient, inverse, round, thousand(s)	Revisit: efficient, inverse, round, thousand(s) New: accurate, approximate, constant difference, strategy	Revisit: accurate, approximate, constant difference, strategy New: order of operations

		greater, group, inverse, less, minus, near double, number bond, plus, symbol, systematic, total	New: calculation, exchange, method, multiple, one(s), operation, partition, related facts, ten(s), value, increase, decrease, sum	New: column, addition, column, subtraction, digit, estimate, exchange, hundred(s), inverse, crossing the 10, crossing the 100				
Multiplication/Division		New: double, equal groups, even, fair, grouping, groups, odd, pair, sharing, unequal, groups	Revisit: double, equal groups, even, fair, grouping, groups, odd, pair, sharing, unequal, groups New: array, divide, repeated, addition	Revisit: array, divide, repeated, addition New: divide, even, half, lots of, multiply, odd, twice, times times-table,	Revisit: divide, even, half, lots of, multiply, odd, twice, times times-table, New: commutative, inverse, multiple, product, remainder, scaling	Revisit: commutative, inverse, multiple, product, remainder, scaling New: factor, factor pair, inverse, triple, efficient	Revisit: factor, factor pair, inverse, triple, efficient New: common multiple, common factor, cube number, prime number, square number	Revisit: common multiple, common factor, cube number, prime number, square number New: composite number, order of operations, powers of

Fractions, Decimals & Percentages			New: equal parts, half, quarter, whole	Revisit: equal parts, half, quarter, whole New: numerator, denominator, equivalent, unit fraction, non-unit fraction, third, two-quarters, three-quarters	Revisit: numerator, denominator, equivalent, unit fraction, non-unit fraction, third, two-quarters, three-quarters New: scale, compare, convert	Revisit: scale, compare, convert New: decimal equivalent, decimal place, decimal point, hundredths, improper, fractions, mixed, numbers, proper fractions, round, tenths	Revisit: decimal equivalent, decimal place, decimal point, hundredths, improper, fractions, mixed, numbers, proper fractions, round, tenths New: common denominator, fractional part, percentage, thousandth	Revisit: common denominator, fractional part, percentage, thousandth New: simplify, simplest form, recurring
Measure (money)			New: amount, coin, note, money, pence (p), pound (£), unitise, value	Revisit: amount, coin, note, money, pence (p), pound (£), unitise, value New: change, cost, worth	Revisit: change, cost, worth New: convert	Revisit: convert New: decimal		

Measure (length and height)	New: big, bigger, large, little, small, smaller	Revisit: big, bigger, large, little, small, smaller New: height, length, long, longer, longest, measure, short, shorter, shortest, tall, taller, tallest	Revisit: height, length, long, longer, longest, measure, short, shorter, shortest, tall, taller, tallest New: centimetres, ruler	Revisit: centimetres, ruler New: metres	Revisit: metres New: convert, millimetres, perimeter	Revisit: convert, millimetres, perimeter New: area, kilometres, rectilinear, width	Revisit: area, kilometres, rectilinear, width New: imperial, inches, metric, volume	Revisit: imperial, inches, metric, volume New: formula
Measure (mass, capacity and temperature)	New: big, bigger, large, little, small, smaller	Revisit: big, bigger, large, little, small, smaller New: balanced, balancing scales, empty, float, full, heavier, heaviest, heavy, least, less, light, lighter, lightest, mass, more, most, narrow, sink, tall, thin, weight, wide	Revisit: balanced, balancing scales, empty, float, full, heavier, heaviest, heavy, least, less, light, lighter, lightest, mass, more, most, narrow, sink, tall, thin, weight, wide New: capacity, container, non-standard, volume	Revisit: capacity, container, non-standard, volume	Revisit: celsius, circular scales, degrees, grams, kilograms, litres, millilitres, temperature, thermometer New: celsius, circular scales, degrees, grams, kilograms, litres, millilitres, temperature, thermometer	Revisit: (blank) New: convert	Revisit: convert New: cubic, centimetres, imperial metric, pints, pounds	Revisit: cubic, centimetres, imperial metric, pints, pounds New: formula, gallon, ounces, tonnes

Measure (Time)	New: First, next, now, then	Revisit: First, next, now, then New: after, afternoon, before, clock, day, evening, later, lunchtime, minute, morning, night, night-time, today, tomorrow, week, weekend, yesterday	Revisit: after, afternoon, before, clock, day, evening, later, lunchtime, minute, morning, night, night-time, today, tomorrow, week, weekend, yesterday New: half past, hour, month, o'clock, second, watch, week	Revisit: half past, hour, month, o'clock, second, watch, week New: five-minute intervals midnight, noon, quarter past, quarter to	Revisit: five-minute intervals midnight, noon, quarter past, quarter to New: analogue clock, 12-hour clock, 24-hour clock, digital clock duration, leap year, am, pm, Roman numerals			

Shape	New: build, curved, curvy, different, flat, match, pointy, round, same, sharp, stack	Revisit: build, curved, curvy, different, flat, match, pointy, round, same, sharp, stack New: 2-d shape, 3-d shape, circle, cone, corner, cube, cuboid, curved, cylinder, face, flat, pyramid, rectangle, rotate, set, sides, solid, sort, sphere, square, straight, surface, triangle	Revisit: 2-d shape, 3-d shape, circle, cone, corner, cube, cuboid, curved, cylinder, face, flat, pyramid, rectangle, rotate, set, sides, solid, sort, sphere, square, straight, surface, triangle New: properties	Revisit: properties New: edge, line of symmetry, symmetrical, vertex, vertices	Revisit: edge, line of symmetry, symmetrical, vertex, vertices New: acute, obtuse, angle, vertical horizontal, parallel, perpendicular, polygon, right angle	Revisit: acute, obtuse, angle, vertical horizontal, parallel, perpendicular, polygon, right angle New: equilateral, regular, irregular, isosceles, parallelogram, quadrilateral, rhombus, scalene, trapezium	Revisit: equilateral, regular, irregular, isosceles, parallelogram, quadrilateral, rhombus, scalene, trapezium New: adjacent, degrees, reflex angle	Revisit: adjacent, degrees, reflex angle New: base, circumference, diameter, dimensions, interior angles, intersect, net, opposite, angles, radius
Statistics				New: block diagram, key, pictogram, table, tally chart, collect, record	Revisit: block diagram, key, pictogram, table, tally chart, collect, record New: axis, bar chart, cell, horizontal axis, label, scale, two-way table, title, vertical axis	Revisit: axis, bar chart, cell, horizontal axis, label, scale, two-way table, title, vertical axis New: data, estimate, line graph	Revisit: data, estimate, line graph New: timetable, variable	Revisit: timetable, variable New: average, dual bar chart, mean, pie char

Position and direction	New: behind, between, down in, in front, inside, move, on, out, outside, over, through, under, up	Revisit: behind, between, down in, in front, inside, move, on, out, outside, over, through, under, up New: above, around, backwards, below, beside, bottom, forwards, map, next to, position, route, top	Revisit: above, around, backwards, below, beside, bottom, forwards, map, next to, position, route, top New: far, full turn, half turn, left, near, quarter turn, right, three-quarter turn, direction	Revisit: far, full turn, half turn, left, near, quarter turn, right, three-quarter turn, direction New: anti-clockwise, between, clockwise		Revisit: anti-clockwise, between, clockwise New: coordinates, grid, reflection, translation	Revisit: coordinates, grid, reflection, translation New: quadrant	Revisit: quadrant New: x y-axis-axis
Ration and Proportion								New: additive, enlargement, multiplicative, proportion, ratio, scale factor, scaling, simplest form

Statistics		New: Count, sort group, set list	Revisit: Count, sort group, set list New: Vote, table	Revisit: Vote, table New: Tally, graph, block graph, pictogram, represent, label, title, most/least popular, most/least common	Revisit: Tally, graph, block graph, pictogram, represent, label, title, most/least popular, most/least common New: Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram	Revisit: Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram New: Survey, questionnaire, data	Revisit: Survey, questionnaire, data New: Line graph, maximum/minimum value, outcome	Revisit: Line graph, maximum/minimum value, outcome New: Pie chart, mean, statistics, distribution
Algebra							New: algebra, equation, expression, function, input, linear output, rule, solve, substitution, value

Pattern	New: after, line, next, pattern, spot, star, stripe, swirl, zigzag	Revisit: after, line, next, pattern, spot, star, stripe, swirl, zigzag New: continue, copy, mistake, repeat, repeating, pattern, same, unit of repeat		Revisit: continue, copy, mistake, repeat, repeating, pattern, same, unit of repeat New: decreasing, increasing, sequence				

symbol	vocabulary				
+	add	plus	total	sum of	increase
-	take away	subtract	minus	difference	decrease
x	groups of	lots of	times	multiply	product
÷	group	share	share equally	divide	divided by
=	the same as	equals	equal to	leaves	balances
>	greater than	more than	larger than	is bigger than	
<	less than	fewer than	smaller than	is smaller than	

symbol	unit	length	symbol	unit	volume
m	metre	1 metre	**l**	litre	1 litre
dm	decimetre	1m = 10dm	**dl**	decilitre	1l = 10dl
cm	centimetre	1m = 100cm	**cl**	centilitre	1l = 100cl
mm	millimetre	1m = 1000mm	**ml**	millilitre	1l = 1000ml

prefix	means	example	prefix	means	example
uni-	1	unicycle	**hex-**	6	hexagon
bi-	2	bicycle	**hept-**	7	heptagon
tri-	3	triangle	**oct-**	8	octagon
quad-	4	quadrilateral	**non-**	9	nonagon
pent-	5	pentagon	**dec-**	10	decagon