



# The Greville Primary School – Progression in Mathematics Vocabulary

	Number and Place Value						
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2	count on/back, number, subitise, order, forwards, backwards, numerals, one more/less, equal to, more/less than, represent, value, digit	sort, partition, ones, tens, most/least, symbols, exchange, multiples, fewer	count in steps, count in multiples, place value, estimate, compare ( $<$ , $>$ , $=$ ), placeholder, hundreds, representation	ascending, descending, 10/100 more, 10/100 less, thousands, identify, flexible partitioning	negative numbers, 1000 more/less, round	ten thousands, one hundred thousands, powers of, one million	millions, ten millions
Tier 3	partition sort	count in steps, compare, representation	ascending, descending, thousands	negative numbers 1000 more/less, round	ten thousands, one hundred thousands, one million	millions, ten millions	

	Addition and Subtraction						
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2	number bonds, part, whole	number sentence, add/addition/subtraction/subtract/difference between, equals, fact family, problems, 2-digit number	sum, plus, 3-digit number, commutative, inverse, missing number problem, altogether, total take away/minus	column addition/subtraction estimate	4-digit number, operations, written methods		multi-digit number, long division
Tier 3	number sentence equals	sum, problem,	column addition/subtraction, estimate, total, addend	4-digit number, operations, written methods			order of operations, dividend, quotient

	Multiplication and Division						
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2	double, equal/lly, odd/even	multiplication, division, arrays, twice as many, column, row, multiples, repeated addition, sharing, grouping	multiplication (times) tables, commutative, x and $\div$	derived facts, positive integer scaling problems, correspondence problems	factor pairs, short multiplication, factor product, divisor, remainders	prime numbers, prime factors, composite numbers, square numbers (2), cube numbers (3), short division, common factors, long multiplication, division bracket	multi-digit number, long division
Tier 3	twice as many	multiplication tables	derived facts	factor, product, divisor, remainders	common factors, dividend, quotient	long division, multi-digit number	order of operations, dividend, quotient

	Fractions/Decimals/Percentages						
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2		half, quarter, whole, equal parts	three quarters, third, two quarters, equivalent fractions, unit/non unit fractions, numerator, denominator	tenths	decimal, decimal places, decimal point, equivalence, hundredths, integer, convert, proper/improper fractions, mixed numbers	thousandths, per cent %, complements, proportions	percentages
Tier 3		three quarters, third, equivalent fractions	tenths	decimal, equivalence, hundredths, integer	thousandths, per cent (%)		

## Ration and Proportion

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2							relative size, missing values, integer multiplication, percentages, scale factor, unequal sharing and grouping
Tier 3							proportion, notation, enlarge, enlargement

## Algebra

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2							formulae, linear number, algebraically, equation, unknowns, combinations, variables
Tier 3							rule, term, substitute, generalise

## Measurement

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2	longest/tallest days of the week money	shorter/longer, biggest/smallest, weight/mass, heavy(er)/light(er), wid(er)/narrow(er), balanced, length, height, centimetre (cm), non-standard units, longest/tallest/shortest ruler, volume, capacity, volume, month, year, time, analogue, o'clock, half past, second/hour/minutes, before/after, first/next, then/now, today/yesterday/tomorrow, morning/afternoon, evening/night, chronological order, days of the week, calendar, months of the year, money, coins, notes	standard units, estimate, order, record results, kilogram (kg), gram (g), half as, temperature, Celsius, quarter full, three quarters full, litres (l) millilitres (ml), intervals of time, quarter to/past, duration, m/cm, l/ml, degrees (°), sequence, millimetres (mm), kilometres (km), a.m/p.m, digital, quicker/slower earlier/later  22  shortest, ruler, volume, capacity, volume, month, year, time, analogue, o'clock, half past, second/hour/minutes, before/after,	millimetre (mm), kilometre (km), Roman numerals, 12-hour clock, 24-hour clock, a.m/p.m, noon, midnight, leap year, digital	rectilinear figure, area, perimeter, convert, decimal notation		

			first/next, then/now, today/yesterday/to morrow, morning/afternoon, evening/night, chronological order, days of the week, calendar, months of the year, money, coins, notes, pounds (£), pence (p), half/half full, empty, measure				
Tier 3	calendar months of the year measure	standard units, kilogram  (kg), gram (g), litres (l), millilitres (ml), change	analogue, digital, value, change	convert, rectilinear figure			

	Geometry						
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2	sides, corners, above/below/behind, top/middle/bottom, over/under, curved, flat, on, into, next to, repeat, pattern	2d shapes, rectangle, square, circle, triangle, pentagon, properties, sorting diagram, 3d shapes, cuboids, cubes, cone, spheres, pyramids, cylinders, faces, position, in front of, beside, inside/outside of, grids, near/far second (2nd), third (3rd) fourth (4th), direction forwards/backwards, whole turn, half turn, quarter turn, three-quarter turn, clockwise, movement, up/down, left/right, between,	pentagon, hexagon, line of symmetry, polygon, quadrilateral, cylinder, edges, vertex/vertices, prism, faces, anti-clockwise, straight line, rotation (turn), arrange, sequences, right angle (turn)	heptagon, octagon, orientations, angles, acute/obtuse/right angles, greater/less than a right angle, horizontal/vertical lines, perpendicular lines, parallel lines, ordinal	isosceles, equilateral, scalene, trapezium, rhombus, parallelogram, geometric shapes, co-ordinates, first quadrant, grid, translation, plot, x/y axis, regular/irregular polygon	translation, reflection, square (cm <sup>2</sup> /m <sup>2</sup> ), volume (cm <sup>3</sup> /m <sup>3</sup> ), metric/imperial units, inches (in), pounds (lb), pints (pt), reflex angles, angles on a straight line, angles around a point, missing angles, protractor, diagonals	radius, diameter, circumference, vertically opposite, four quadrants, co-ordinate plane

		around, through, beneath					
Tier 3	faces, pyramids, between, around, through, beneath	pentagon, hexagon, line of symmetry, polygon, prism, clockwise, ordinal	heptagon, octagon, right angle, horizontal, vertical, ordinal	trapezium, rhombus, geometric shapes, grid, regular/irregular (polygons), ordinal	reflex angles	radius, diameter, circumference	dimensions, isometric, concentric, vertically opposite angles

	Statistics						
	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2			pictograms, tally chart, block diagram, category, sorting, totalling, comparing, tables	bar chart, one/two step problem	time graph, discrete/continuous data, interpret	timetable, comparison problems, sum problems, difference problems, line graph	pie chart, mean, average, data set
Tier 3			bar chart	interpret	timetable, line graph	pie chart, mean, average, data set	sectors, frequency, category