New Mathematical Vocabulary for Year 1

Number and Place Value	Addition and Subtraction	Multiplication and division	Measure	Geometry (Position and Direction)	Geometry (Properties of Shape)	Fractions	Problem Solving and Reasoning
number zero, one, two, three to twenty, and beyond none count (on/up/to/from/down) before, after more, less, many, few, fewer, least, fewest, smallest, greater, lesser equal to, the same as odd, even pair units, ones, tens ten more/less digit numeral figure(s) compare (in) order/a different order size	number bonds, number line add, more, plus, make, sum, total, altogether inverse double, near double half, halve equals, is the same as (including equals sign) difference between how many more to make..?, how many more is...than..?, how much more is..? subtract, take away, minus how many fewer is...than..?, how much less is..?	odd, even count in twos, threes, fives count in tens (forwards from/backwards from) how many times? lots of, groups of once, twice, three times, five times multiple of, times, multiply, multiply by repeated addition array, row, column double, halve share, share equally group in pairs, threes, etc. equal groups of divide, divided by, left, left over	full, half full, empty holds, container weigh(s), balances heavy, heavier, heaviest, light, lighter, lightest scales days of the week: Monday, Tuesday… seasons: spring, summer, autumn, winter day, week, month, year, weekend birthday, holiday morning, afternoon, evening, night, midnight, bedtime, dinnertime, playtime today, yesterday, tomorrow 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	position over, under, underneath, above, below, top, bottom, side on, in, outside, inside around, in front, behind front, back before, after beside, next to, opposite apart between, middle, edge, centre corner direction journey left, right, up, down, forwards, backwards, sideways across close, far, near	group, sort cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square shape flat, curved, straight, round hollow, solid corner (point, pointed) face, side, edge make, build, draw	whole equal parts, four equal parts one half, two halves a quarter, two quarters	listen, join in say, think, imagine, remember start from, start with, start at look at, point to put, place, fit arrange, rearrange change, change over split, separate carry on, continue, repeat, what comes next? find, choose, collect, use, make, build tell me, describe, pick out, talk about, explain, show me read, write, record, trace, copy, complete, finish, end cost count, work out, answer, check same number(s)/different number(s)/missing number(s)

value between, halfway between above, below			takes longer, takes less time hour, o'clock, half past, clock, watch, hands always, never, often, sometimes, usually once, twice first, second, third… estimate, close to, about the same as, just over, just under length, width, height, depth long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest wide, narrow, deep, shallow, thick, thin far, near, close metre, ruler, metre stick money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, costs more, costs less, cheaper, costs the same as, how much? how many? total	along, through to, from, towards, away from movement slide, roll, turn, whole turn, half turn stretch, bend			number facts, number line, number track, number square, number cards abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board same way, different way, best way, another way in order, in a different order not all, every, each

New Mathematical Vocabulary for Year 2

Number and Place Value	Measure	Geometry (Position and Direction)	Geometry (Properties of Shape)	Fractions	Data / Statistics	Problem Solving and Reasoning
numbers to one hundred hundreds partition, recombine hundred more/less	quarter past quarter to metres /kilometres grams / kilograms, millilitres /litres temperature (degrees)	rotation clockwise, anticlockwise straight line ninety degree turn, right angle	size bigger, larger, smaller symmetrical, line of symmetry fold match mirror line, reflection pattern, repeating pattern	three quarters, one third, a third equivalence, equivalent	count, tally, sort vote graph, block graph, pictogram, represent group, set, list, table label, title most popular, most common, least popular, least common	predict describe the pattern, describe the rule find, find all, find different investigate

New Mathematical Vocabulary for Year 3

Number and Place Value	Addition and Subtraction	Multiplication and Division	Measure	Geometry (Position and Direction)	Geometry (Properties of Shape)	Fractions	Data / Statistics
numbers to one thousand	formal written methods column addition column subtraction	product multiples of four, eight, fifty and one hundred scale up	leap year twelve-hour clock twenty-four hour clock roman numerals i to xii	greater / less than ninety degrees orientation same orientation different orientation	horizontal vertical perpendicular lines parallel lines	numerator denominator unit fraction non unit fraction compare and order tenths	chart, bar chart, frequency table Carroll diagram Venn diagram axis axes diagram

New Mathematical Vocabulary for Year 4

Number and Place Value	Multiplication and Division	Measure	Geometry (Position and Direction)	Geometry (Properties of Shape)	Fractions and Decimals	Data / Statistics
tenths, hundredths decimal (places) round (to nearest) thousand more/less than negative integers count through zero Roman numerals to 100 = C	multiplication facts (up to 12x12) division facts inverse derive quotient divisor dividend integer scaling	convert analogue and digital 12- and 24- hour clocks convert from hours to minutes; minutes to seconds; years to months; weeks to days area of rectilinear shapes	coordinates translation left/right up/down quadrant x-axis, y-axis perimeter and area	quadrilaterals triangles right angle acute and obtuse angles degrees symmetric	families of common equivalent decimals and fractions numbers with up to 2 decimal places (tenths, hundredths)	continuous data line graph

New Mathematical Vocabulary for Year 5

Number and Place Value	Addition and Subtraction	Multiplication and Division	Measure	Geometry (Position and Direction)	Geometry (Properties of Shape)	Fraction, Decimals and Percentages
powers of 10 numbers to 1,000,000 Roman numerals to 1000 = M	efficient written methods	factor pairs composite numbers, prime number, prime factors, square number, cubed number formal written methods	volume imperial units (such as inches, pounds and pints) convert between different metric units (kilometre, metre; centimetre and metre; gram and kilogram; litre and millilitre)	reflex angle dimensions	regular and irregular polygons degrees whole turn = 360°	proper fractions, improper fractions, mixed numbers percentage half, quarter, fifth, two fifths, four fifths ratio, proportion

<u>New Mathematical Vocabulary for Year 6</u>

Number and Place Value	Addition and Subtraction	Multiplication and Division	Geometry (Position and Direction)	Geometry (Properties of Shape)	Fractions, Decimals and Percentages	Algebra	Data / Statistics
numbers to ten million	order of operations	order of operations common factors common multiples interpret remainders common factors common multiples prime numbers	four quadrants in relation to coordinates translate shapes	vertically opposite angles circumference radius diameter	degree of accuracy simplify simplest form same denomination place value in numbers given to 3 decimal places (tenths, hundredths, thousandths)	formulae linear number sequence substitute variables symbol known values	mean average pie chart construct