

## Mathematics key vocabulary by concept

Key concepts	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Number and place value</b>	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, order/a different order, size, value, between, halfway between, above, below	numbers to one hundred, hundreds partition, recombine, hundred more/less	numbers to one thousand	tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals (I to C)	powers of 10	numbers to ten million
<b>Addition and subtraction</b>	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..?		column addition and subtraction		efficient written method	order of operations
<b>Multiplication and division</b>	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		product, multiples of four, eight, fifty and one hundred, scale up	multiplication facts (up to 12x12), division facts, inverse, derive	factor pairs, composite numbers, prime number, prime factors, square number, cubed number, formal written method	order of operations, common factors, common multiples
<b>Fractions, decimals, ratio and percentages</b>	whole, equal parts, four equal parts, one half, two halves, a quarter, two quarters	three quarters, one third, a third, equivalence, equivalent	numerator, denominator, unit fraction, non-unit fraction, compare and order tenths	equivalent decimals and fractions	proper fractions, improper fractions, mixed numbers, percentage, half, quarter, fifth, two fifths, four fifths, ratio, proportion	degree of accuracy, simplify
<b>Measures</b>	full, half full, empty, holds, container, weigh, weighs, balances, heavy, heavier, heaviest, light,	quarter past/to m/km, g/kg, ml/l,	leap year twelve-hour/twenty-four-	convert	volume, imperial units, metric units	

	lighter, lightest, scales, time, days of the week, seasons, 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, takes longer, takes less time hour, o'clock, half past, clock, watch, hands how long ago?, how long will it be to...?, how long will it take to...?, how often? always, never, often, sometimes, usually, once, twice first, second, third, etc. estimate, close to, about the, same as, just over, just under, too many, too few, not enough, enough, length, width, height, depth, long, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highest, low, 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, dear(er), costs more, costs less, cheaper, costs the same as, how much?, how many? total	temperature (degrees)	hour clock, Roman numerals I to XIII			
<b>Geometry (position and direction)</b>	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, along, through to, from, towards, away from, movement, slide, roll, turn, whole turn, half turn, stretch, bend	rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle	greater/less than ninety degrees, orientation (same orientation, different orientation)	coordinates, translation, quadrant x-axis, y-axis, perimeter and area	reflex angle, dimensions	four quadrants (for coordinates)
<b>Geometry (properties of shape)</b>	group, sort, cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square, flat, curved,	size, bigger, larger, smaller, symmetrical, line of symmetry,	horizontal, vertical, perpendicular and parallel lines	quadrilaterals, triangles, right angle,	regular and irregular, polygons	vertically opposite (angles)

	straight, round, hollow, solid, corner (point, pointed) face, side, edge, make, build, draw	fold, match, mirror line, reflection pattern, repeating pattern		acute and obtuse angles		circumference, radius, diameter
<b>Data/Statistics</b>		count, tally, sort, vote graph, block graph, pictogram, represent group, set, list, table label, title, most popular, most common, least popular, least common	chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes diagram	continuous data, line graph		mean, pie chart, construct
<b>Algebra</b>						linear number, sequence, substitute, variables, symbol, known values