

Mathematical vocabulary progression across school



Red words are non-statutory but desirable.

	Y1	Y2	Y3	Y4	Y5	Y6
Number and calculation	same, different, forwards, backwards, share, left over, more, less, total, fewer, equal, equals, most, least, sum, <i>difference</i> , <i>distance between</i> , total, plus, first, add, subtract, addition, subtraction, ones, tens, columns, first, second, third up to twentieth, order, number, amount, <i>odd</i> , <i>even</i> , double, halve, pair, how many, larger, smaller, estimate, compare, together, altogether, bonds, zero, above, below, group, groups	tens, ones, digit, numeral, twenty one up to one hundred, place value, > greater than, < less than, partition, estimate, array, calculate, multiplication, multiply, multiple, division, divide, times tables, <i>inverse</i> , odd, even	hundreds, one hundred and one up to one thousand, multiple(s), inverse operations, integer, round, rounding, <i>remainder</i> , <i>decimal</i>	thousands, negative, operation, round, rounding, factor, factor pairs, remainder, decimal	million, linear sequence, power(s), prime, complement, composite, prime factor, square(d), cube(d)	ten million, long division, common factors, common multiples Algebra: formulae, symbol, equation, unknown, variable
Fractions	half, quarter, share, group, part, whole, equal parts, same size	one/two third(s), share, group, two quarters, equivalent, <i>one and a quarter</i> , <i>one and two quarters</i> , <i>one and a half</i> , <i>one and three quarters</i> , <i>half as much</i> , <i>twice as much</i> , <i>numerator</i> , <i>denominator</i>	fifths, sixths, sevenths, eighths, ninths, tenths, numerator, denominator, unit-fraction, non-unit fraction	tenth, hundredth, simplify, decimal equivalents, decimal places	mixed fractions, improper fractions, thousandth, percent, percentage, simplify	decimal fraction equivalents Ratio and proportion: relative size, scale factor, proportion
Measures	Time: year, month, week, weekend, day, Monday- Friday, January – December, night, hour, minute, second, morning, afternoon, evening, yesterday, today, tomorrow, before, after, old, older, new, newer, clock face, o'clock, half past, hour hand, minute hand, <i>minutes past/to</i> , <i>quarter past/to</i> , half past/to, fast(er), quick(er), slow(er), early, earlier, late, later Mass: weigh, weight, heavy, heavier, heaviest, light, lighter, lightest, balance Length: ruler, long, longer, longest, short, shorter, shortest, <i>gram</i> , <i>kilogram</i> , <i>centimetre</i> , <i>metre</i> , far, distance, measure Capacity: volume, full, empty, half full Money: coin, note, amount, penny, pound, one pence, two pence, five pence, ten pence, twenty pence, fifty pence, one pound, five pounds, ten pounds	Time: analogue, quarter past, quarter to, five past/to, ten past/to, clockwise, anticlockwise Mass: gram, kilogram Length: height, width, centimetre, <i>millimetre</i> Capacity: litre, millilitre Temperature: degrees, celcius, thermometer Money: pound, price, cost, amount, total, change, value	Time: am/pm, duration, noon, midnight, analogue, digital, Roman numerals, leap year Length: millimetre, perimeter	convert, conversion, area, dimensions, kilometre, 24-hour clock	metric, imperial, composite shape,	volume
Geometry	Shape properties: pattern, 2D, rectangle, square, circle, triangle, 3D, cube, cuboid, pyramid, sphere, side(s) Position and direction: left, right, top, middle, bottom, in front of, behind, between, above, below, around, near, close, far, up, down, forwards, backwards, inside, outside, <i>clockwise</i>	Shape properties: <i>vertical</i> , <i>horizontal</i> , vertices, edges, faces, <i>quadrilateral</i> , <i>pentagon</i> , <i>hexagon</i> , <i>rhombus</i> , <i>kite</i> , <i>polygon</i> , <i>prism</i> , <i>cone</i> , symmetry, <i>octagon</i> , <i>square-based pyramid</i> , Position and direction: straight, curved, rotate, rotation, angle, <i>right angle</i> , <i>clockwise</i> , anticlockwise	Shape properties: parallel, perpendicular, horizontal, vertical, quadrilateral, polygon, <i>symmetrical</i> , <i>non-symmetrical</i> Position and direction: degrees, acute, obtuse, right angle, <i>reflex</i> , <i>reflection</i>	Shape properties: isosceles, scalene, equilateral, parallelogram, rhombus, trapezium, regular, irregular, symmetry Position and direction: reflex, coordinates, quadrant, plot, grid, translate, translation, axis, reflect, reflection	Shape properties: diagonal Position and direction: 180degrees, 360 degrees, X-Axis, Y-Axis	Shape properties: radius, diameter, circumference, nets Position and direction: vertically opposite, full coordinate grid, four quadrants,
Statistics		pictogram, tally chart, block diagram, table, data, category	interpret, data, scale, graph		line graph, timetables	mean, average, pie chart, data set

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