

Balcombe CE Primary School

Mathematics Vocabulary Progression Year R – Year 6



This document is designed to assist with the teaching of vocabulary across EYFS, KS1 and KS2. It identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups to ensure children are consolidating their understanding. Some vocabulary might be introduced earlier if necessary or as part of an activity, however this document ensures coverage is progressive.

Number and Place Value						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
number zero, one, two, three ... twenty teens numbers, eleven, twelve ... twenty none how many ...? count, count (up) to, count on (from, to), count back (from, to) count in ones, twos, fives, tens, is the same as more, less odd, even few pattern pair ones, tens digit the same number as, as many as more, larger, bigger, greater fewer, smaller, less	numeral twenty-one, twenty- two ... one hundred forwards, backwards equal to equivalent to most, least many multiple of equal to halfway between above, below roughly	two hundred ... one thousand count in threes, fours and so on tally sequence continue predict rule > greater than, < less than hundreds one-, two- or three- digit number place, place value stands for, represents regroup twenty-first, twenty- second ... exact, exactly	count in eights, fifties, and so on to hundreds factor of relationship Roman numerals one hundred more one hundred less approximate approximately round nearest round to the nearest ten, hundred, round up, round down	ten thousand hundred thousand million count in sixes, sevens, nines, twenty-fives next, consecutive integer positive, negative above/below zero minus negative numbers one thousand more one thousand less round to the nearest thousand	factor pair ≥ greater than or equal to ≤ less than or equal to formula divisibility square number prime number ascending/descending order round to the nearest ten thousand	factorise prime factor digit total

<p>fewest, smallest, least</p> <p>most, biggest, largest, greatest</p> <p>one more, ten more</p> <p>one less, ten less</p> <p>compare, order, size</p> <p>first, second, third ...</p> <p>twentieth</p> <p>last, last but one</p> <p>before, after, next</p> <p>between</p> <p>guess how many ...?</p> <p>estimate</p> <p>nearly, close to</p> <p>about the same as</p> <p>just over, just under</p> <p>too many, too few</p> <p>enough, not enough</p>						
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Addition and subtraction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>add, more, and</p> <p>make, sum, total</p> <p>altogether</p> <p>double</p> <p>one more, two more ...</p> <p>ten more ...</p> <p>how many more to make ...?</p> <p>how many more is ... than ...?</p> <p>how much more is ...?</p> <p>take away</p> <p>how many are left/left over?</p> <p>how many have gone?</p> <p>one less, two less, ten less ...</p> <p>how many fewer is ...</p>	<p>addition</p> <p>near double</p> <p>half, halve</p> <p>subtract</p> <p>equals</p> <p>is the same as</p> <p>number bonds/pairs</p>	<p>one hundred more</p> <p>one hundred less</p> <p>facts</p> <p>tens boundary</p>	<p>hundreds boundary</p>	<p>inverse</p>	<p>ones boundary</p> <p>tenths boundary</p>	

than ...? how much less is ...? difference between						
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Multiplication and Division

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
sharing doubling halving number patterns	multiplication multiply multiplied by multiple division dividing grouping array	groups of times once, twice, three times ... ten times repeated addition divide, divided by, divided into share, share equally left, left over one each, two each, three each ... ten each group in pairs, threes ... tens equal groups of row, column multiplication table multiplication fact division fact	factor product remainder	inverse square, squared, cube, cubed		

Fractions (including decimals and percentages)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
parts of a whole half quarter,	fraction equal part equal grouping equal sharing one of two equal parts one of four equal parts	equivalent fraction mixed number numerator denominator two halves two quarters, three quarters one third, two thirds one of three equal parts	sixths, sevenths, eighths, tenths,	hundredths decimal decimal fraction decimal point decimal place decimal equivalent proportion	proper/improper fraction equivalent, reduced to, cancel thousandths in every, for every percentage per cent %	

Ratio and Proportion

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						ratio relative size, scale factor

Algebra

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						formula, formulae, equation, unknown variable

Measurement

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measure, size compare guess, estimate enough, not enough too much, too little too many, too few nearly, close to about the same as just over, just under length, height, width, depth long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on far, near, close weigh, weighs, balances heavy, light, heavier than, lighter than heaviest, lightest scales	measurement roughly centimetre, metre ruler metre stick kilogram, half kilogram litre, half litre capacity volume more than less than quarter full months of the year (January, February ...) seasons: spring, summer, autumn, winter weekend, fortnight, month, year earlier, later first midnight date how long ago?	measuring scale further, furthest tape measure gram millilitre contains temperature degree quarter past, quarter to 5, 10, 15 ... minutes past digital/analogue clock/watch, timer seconds bought, sold	division approximately millimetre, kilometre, mile distance apart... between... to... from perimeter centigrade century calendar to earliest, latest am, pm Roman numerals 12 hour clock time 24 hour clock time	unit, standard unit metric unit breadth edge area, covers square centimetre (²) mass: big, bigger small, smaller weight: heavy/light, heavier/lighter, heaviest/lightest measuring cylinder leap year millennium noon date of birth timetable arrive, depart	imperial unit ruler square metre (m²) square millimetre (mm²) pint, gallon discount currency	yard, foot, feet, inch, inches circumference tonne, pound, ounce centilitre cubic centimetres(cm³) cubic metres (m³) cubic millimetres (mm³) cubic kilometres (km³) Greenwich Mean Time British Summer Time International Date Line profit, loss

full, empty, half full holds, container time days of the week, Monday, Tuesday ... day, week, birthday, holiday morning, afternoon, evening, night bedtime, dinnertime, playtime today, yesterday, tomorrow before, after, next, last now, soon, early, late quick, quicker, quickest, quickly slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time clock, watch, hands money, coin penny, pence, pound price, cost, buy, sell spend, spent, pay	always, never, often, sometimes usually once, twice hour, o'clock, half past clock face hour hand, minute hand hours, minutes change dear, costs more cheap, costs less, cheaper costs the same as how much ...? how many ...? total					
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Geometry: Properties of Shape

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
shape, pattern flat curved, straight round hollow, solid sort make, build, draw size	point, pointed cuboid cylinder	surface face, edge, vertex, vertices symmetry symmetrical symmetrical pattern line symmetry rectangular	perimeter pentagonal hexagonal octagonal quadrilateral right-angled parallel perpendicular	line construct, sketch centre angle, right-angled base, square-based reflect, reflection regular, irregular 2d, two-dimensional	radius, diameter congruent axis of symmetry reflective symmetry x-axis, y-axis, quadrant octahedron	circumference, concentric, arc intersecting intersection plane kite dodecahedron net, open, closed

bigger, larger, smaller match corner, side rectangle (including square), circle, triangle, cube, pyramid sphere cone		circular triangular pentagon hexagon octagon pattern repeating pattern	hemisphere prism triangular prism	oblong, rectilinear equilateral triangle isosceles triangle scalene triangle heptagon parallelogram rhombus, trapezium polygon 3d, three-dimensional spherical, cylindrical tetrahedron, polyhedron		
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Geometry: Position and Direction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
position over, under, above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite, apart between middle, edge corner direction left, right, up, down forwards, backwards, sideways, across next to, close, near, far along, through to, from, towards, away from movement slide, roll, turn	underneath centre journey quarter turn three-quarter turn	route higher, lower clockwise anticlockwise right angle straight line	compass point north, south, east, west N, S, E, W horizontal, vertical, diagonal angle... is a greater/smaller angle than... acute angle obtuse angle	north-east, north-west, south-east, south-west NE, NW, SE, SW translate, translation rotate, rotation degree reflection ruler, set square angle measurer compass	co-ordinate protractor	reflex angle

stretch, bend whole turn, half turn						
Statistics						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		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	survey questionnaire data	database bar line chart line graph maximum/minimum value outcome	pie chart mean (mode, median, range as estimates for this) statistics distribution
Problem Solving and Reasoning						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
pattern puzzle explain your thinking recognise describe draw compare sort	problem, problem solving mental, mentally what could we try next? how did you work it out?	show how you ... explain your method describe the pattern describe the rule investigate mental calculation written calculation	greatest value, least value statement	justify make a statement	explain your reasoning	