



## Mathematics Curriculum – Key Vocabulary progression

This document sets out Key Stage (KS) 1 and KS2 Mathematics vocabulary progression under the National Curriculum. Teachers will use the tables to check pupils' understanding of new vocabulary introduced in Reception to Year 6.

***The vocabulary will be used during every lesson to ensure all children understand the definition of vocabulary matching the knowledge and skill being taught.***

Maths vocabulary for Reception/EYFS	
Number and place value	Zero, number; one, two, three... to twenty and beyond, teens numbers, one, how many? count, count up, count down, count on, count back; count in ones, twos, fives, tens, same as, more, less, few, pattern, pair, digit, ones, tens, as many as, more, larger, bigger, greater, fewer, smaller, less, most, biggest, largest, greatest, one more, ten more, one less, ten less, compare, order, size; first, second, third.... Twentieth, last, last one but, before, after, next, between
Addition and subtraction	Add, more, and, make, sum, total, altogether, double; one more, two more, ten more, how many more make...?, how many more is ... than ...?, take away, how many are left?, how many have gone?, one less, two less, ten less, how many fewer is... than...?, how much less is...? Difference between

<b>Multiplication and division</b>	Sharing, doubling, halving, number patterns
<b>Measure</b>	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, metre 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, full empty half full holds container, time days of the week, Monday, Tuesday ... day, week birthday, holiday morning, afternoon, evening, night bedtime, dinner time, 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 hour, o'clock clock, watch, hands, money coin penny, pence, pound price, cost buy, sell spend, spent pay
<b>Geometry (position and direction)</b>	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 stretch, bend whole turn, half turn
<b>Geometry (properties of shape)</b>	shape, pattern flat curved, straight round hollow, solid sort make, build, draw size, bigger, larger, smaller symmetrical pattern, repeating pattern match, corner, side rectangle (including square) circle triangle, face, edge, vertex, vertices cube pyramid sphere
<b>Fractions</b>	Parts of a whole, half, quarter
<b>Problem solving</b>	pattern puzzle what could we try next? how did you work it out? recognise describe draw compare sort, count, sort group, set list

## Maths vocabulary for Year 1

<b>Number and place value</b>	Ten more/less, digit, numeral, figure(s), compare, (in) order/a different order, size, value, between, halfway between, above, below, tens, ones
<b>Addition and subtraction</b>	Number bonds, number line, add, more, plus, make, sum, total, altogether, inverse, double, near double, equals, is the same as (including equals sign), difference between, subtract, take away, minus  How many more to make ...?, How many more is ... than ... ?, How much more is ... ?, How many fewer is ... than ... ?, How much less is ... ?
<b>Multiplication and division</b>	Once, twice, three, 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 over
<b>Measure</b>	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  How much?, How many?, money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same as, total
<b>Geometry (position and direction)</b>	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
<b>Geometry (properties of shape)</b>	Corner (point, pointed), face, side, edge, make, build, draw

<b>Fractions</b>	Whole, equal parts, four equal parts, one half, two halves, a quarter, two quarters
<b>Problem solving</b>	<p>Change, change over, split, separate, carry on, continue, repeat, what comes next?, find, choose, collect, use, make, build</p> <p>Tell me, describe, pick out, talk about, explain, show me, read, write, record, trace, copy, complete, finish, end, fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow</p> <p>Cost, count, work out, answer, check same number(s)/different number(s)/missing number(s)</p> <p>Number facts, number line, number track, number square, number cards, abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board</p> <p>Same way, different way, best way, another way, in order, in a different order, not all, every, each</p>

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## Maths vocabulary for Year 2

<b>Number and place value</b>	Numbers to one hundred, hundreds, partition, recombine, more/less
<b>Measure</b>	Quarter past/to, metres, kilometers, grams, kilograms, millimeters, liters, temperature, degrees
<b>Geometry (position and direction)</b>	Rotation, clockwise, anticlockwise, straight line, ninety degree turn, right angle
<b>Geometry (properties of shape)</b>	Size, bigger, larger, smaller, symmetrical, line of symmetry, fold, match, mirror line, reflection, pattern, repeating pattern
<b>Fractions</b>	Three quarters, one third, a third, equivalence, equivalent
<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
<b>Problem solving</b>	Predict, describe the pattern, describe the rule, find, find all, find different, investigate

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## Maths vocabulary for Year 3

<b>Number and place value</b>	Numbers to one thousand
<b>Addition and subtraction</b>	Column addition and subtraction
<b>Multiplication and division</b>	Product, multiples of four, eight, fifty and one hundred, scale up
<b>Measure</b>	Leap year, twelve-hour/twenty-four-hour clock, Roman numerals I to XIII
<b>Geometry (position and direction)</b>	Greater/less than ninety degrees, orientation (same orientation, different orientation)
<b>Geometry (properties of shape)</b>	Horizontal, perpendicular and parallel lines
<b>Fractions</b>	Numerator, denominator, unit fraction, non-unit fraction, compare and order, tenths
<b>Data/statistics</b>	Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axe

## Maths vocabulary for Year 4

<b>Number and place value</b>	Tenths, hundredths, decimal (places), round (to nearest), thousand more/less than, negative integers, count through zero, Roman numerals I to C
<b>Multiplication and division</b>	Multiplication facts (up to 12x12), division facts, inverse, derive
<b>Measure</b>	Convert
<b>Geometry (position and direction)</b>	Co-ordinate, translate, quadrant, X-axis, Y-axis, perimeter, area
<b>Geometry (properties of shape)</b>	Quadrilaterals, triangles, right, acute and obtuse angles
<b>Fractions and decimals</b>	Equivalent decimals and fractions
<b>Data/statistics</b>	Continuous data, line graph

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## Maths vocabulary for Year 5

<b>Number and place value</b>	Powers of 10
<b>Addition and subtraction</b>	Efficient written method
<b>Multiplication and division</b>	Factor pairs, composite numbers, prime number, prime factors, square number, cubed number, formal written method
<b>Measure</b>	Volume, imperial units, metric units
<b>Geometry (position and direction)</b>	Reflex angle, dimensions
<b>Geometry (properties of shape)</b>	Regular and irregular polygons
<b>Fractions and decimals</b>	Proper fractions, improper fractions, mixed numbers, percentage, half, quarter, fifth, two fifths, four fifths, ratio, proportion

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## Maths vocabulary for Year 6

<b>Number and place value</b>	Numbers to ten million
<b>Addition and subtraction</b>	Order of operations
<b>Multiplication and division</b>	Common factors and common multiples
<b>Geometry (position and direction)</b>	Four quadrants (for co-ordinates)
<b>Geometry (properties of shape)</b>	Vertically opposite (angles), circumference, radius, diameter
<b>Fractions, decimals and percentages</b>	Degree of accuracy, simplify
<b>Algebra</b>	Linear number sequence, substitute, variables, symbol, known values
<b>Data/statistics</b>	Mean, pie chart, construct

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