

Maths vocabulary progression for the National Curriculum (2014)

This document sets out Key Stage (KS) 1 and KS2 maths vocabulary under the National Curriculum (2014). The tables can be used to check pupils' understanding of new vocabulary introduced in years 1-6. The lists are intended as a guide to what pupils should know, and are not exhaustive.

Year 1							
Number and place value	Addition and subtraction	Multiplication and division	Measure	Geometry (position and direction)	Geometry (properties of shape)	Fractions	General/problem solving
Number	Number bonds, number line	Odd, even	Full, half full, empty	Position	Group, sort	Whole	Listen, join in
Zero, one, two, three to twenty, and beyond	Add, more, plus, make, sum, total, altogether	Count in twos, threes, fives	Holds	Over, under, underneath, above, below, top, bottom, side	Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square	Equal parts, four equal parts	Say, think, imagine, remember
None	Inverse	Count in tens (forwards from/backwards from)	Container	on, in, outside, inside	Shape	One half, two halves	Start from, start with, start at
Count (on/up/to/from/down)	Double, near double	How many times?	Weigh, weighs, balances	around, in front, behind	Flat, curved, straight, round	A quarter, two quarters	Look at, point to
Before, after	Half, halve	Lots of, groups of	Heavy, heavier, heaviest, light, lighter, lightest	Front, back	Hollow, solid		Put, place, fit
More, less, many, few, fewer, least, fewest, smallest, greater, lesser	Equals, is the same as (including equals sign)	Once, twice, three times, five times	Scales	Before, after	Corner (point, pointed)		Arrange, rearrange
Equal to, the same as	Difference between	Multiple of, times, multiply, multiply by	Time	Beside, next to, Opposite	Face, side, edge		Change, change over
	How many more to	Repeated	Days of the week: Monday, Tuesday, etc.	Apart	Make, build, draw		Split, separate
			Seasons: spring, summer, autumn, winter	Between, middle, edge, centre			Carry on, continue, repeat & what comes next?
			Day, week, month, year, weekend	Corner			Find, choose, collect, use, make, build
			Birthday, holiday				
			Morning, afternoon, evening,				

Odd, even	make..? How many more is...than..?	addition	night, midnight	Direction			Tell me, describe, pick out, talk about, explain, show me
Pair	How much more is..?	Array, row, column	Bedtime, dinnertime, playtime	Journey			
Units, ones, tens		Double, halve	Today, yesterday, tomorrow	Left, right, up, down, forwards, backwards, sideways			Read, write, record, trace, copy, complete, finish, end
Ten more/less	Subtract, take away, minus	Share, share equally	Before, after				
Digit		Group in pairs, threes, etc.	Next, last	Across			Fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow
Numeral	How many fewer is...than..?	Equal groups of	Now, soon, early, late	Close, far, near			
Figure(s)	How much less is..?	Divide, divided by, left, left over	Quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly	Along, through			
Compare			Old, older, oldest, new, newer, newest	To, from, towards, away from			Cost
(In) order/a different order			Takes longer, takes less time	Movement			Count, work out, answer, check same number(s)/different number(s)/missing number(s)
Size			Hour, o'clock, half past	Slide, roll, turn, whole turn, half turn			
Value			Clock, watch, hands	Stretch, bend			Number facts, number line, number track, number square, number cards
Between, halfway between			How long ago? How long will it be to...? How long will it take to...? How often?				
Above, below			Always, never, often, sometimes, usually				Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board
			Once, twice				
			First, second, third, etc.				Same way, different way, best way, another way
			Estimate, close to, about the same as, just over, just under				
			Too many, too few, not				

			<p>enough, enough</p> <p>Length, width, height, depth</p> <p>Long, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highest</p> <p>Low, wide, narrow, deep, shallow, thick, thin</p> <p>Far, near, close</p> <p>Metre, ruler, metre stick</p> <p>Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same as</p> <p>How much? How many?</p> <p>Total</p>				<p>In order, in a different order</p> <p>Not all, every, each</p>
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Year 2

Number and place value	Measure	Geometry (position and direction)	Geometry (properties of shape)	Fractions	Data/statistics	General/problem solving
Numbers to one hundred Hundreds Partition, recombine Hundred more/less	Quarter past/to m/km, g/kg, ml/l 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

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	Column addition and subtraction	Product Multiples of four, eight, fifty and one hundred Scale up	Leap year Twelve-hour/twenty-four-hour clock Roman numerals I to XIII	Greater/less than ninety degrees Orientation (same orientation, different orientation)	Horizontal, perpendicular and 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

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 (I to C)	Multiplication facts (up to 12x12) Division facts Inverse Derive	Convert	Coordinates Translation Quadrant X-axis Y-axis Perimeter and area	Quadrilaterals Triangles Right angle, acute and obtuse angles	Equivalent decimals and fractions	Continuous data Line graph

Year 5

Number and place value	Addition and subtraction	Multiplication and division	Measure	Geometry (position and direction)	Geometry (properties of shape)	Fractions, decimals and percentages
Powers of 10	Efficient written method	Factor pairs Composite numbers, prime number, prime factors, square number, cubed number Formal written method	Volume Imperial units, metric units	Reflex angle Dimensions	Regular and irregular Polygons	Proper fractions, improper fractions, mixed numbers Percentage Half, quarter, fifth, two fifths, four fifths Ratio, proportion

Year 6

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	Four quadrants (for coordinates)	Vertically opposite (angles) Circumference, radius, diameter	Degree of accuracy Simplify	Linear number sequence Substitute Variables Symbol Known values	Mean Pie chart Construct