

## Maths Vocabulary for the New National Curriculum

This document sets out Key Stage 1 (KS1) and Key Stage 2 (KS2) maths vocabulary under the new National Curriculum. The tables can be used to check pupils' understanding of new vocabulary introduced in years 1-6.

The lists are intended as a guide as to what pupils should know, and are not exhaustive. Of course, key terms may be introduced earlier as a challenge for our learners, although it is also important to ensure that learning is 'new' and carries an 'element of surprise'.

It is expected that key vocabulary is displayed on 'Maths Learning Walls' at appropriate times during the academic year, and is promoted through mathematical talk in lessons.

## New maths vocabulary for 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?	Heavy, heavier, heaviest, light, lighter, lightest	around, in front, behind	Flat, curved, straight, round	A quarter, two quarters	Look at, point to
Before, after	Half, halve	Lots of, groups of	Scales	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	Time	Before, after	Corner (point, pointed)		Arrange, rearrange
Equal to, the same as	Difference between	Multiple of, times, multiply, multiply by	Days of the week: Monday, Tuesday, etc.	Beside, next to, Opposite	Face, side, edge		Change, change over
Odd, even	How many more to make...?, how	Repeated addition	Seas ons: spring, summer, autumn, winter	Apart	Make, build, draw		Split, separate
			Day, week, month, year, weekend	Between, middle, edge, centre			Carry on, continue, repeat, what comes next?
			Birthday, holiday	Corner			Find, choose, collect, use, make, build
			Morning, afternoon, evening,				

Pair	many more is...than...?, how much more is...?	Array, row, column	night, midnight	Direction			Tell me, describe, pick out, talk about, explain, show me
Units, ones, tens	Subtract, take away, minus	Double, halve	Bedtime, dinnertime, playtime	Journey			Read, write, record, trace, copy, complete, finish, end
Ten more/less	How many fewer is...than...?, how much less is...?	Share, share equally	Today, yesterday, tomorrow	Left, right, up, down, forwards, backwards, sideways			Fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow
Digit		Group in pairs, threes, etc.	Before, after	Across			Cost
Numeral		Equal groups of	Next, last	Close, far, near			Count, work out, answer, check same number(s)/different number(s)/missing number(s)
Figure(s)		Divide, divided by, left, left over	Now, soon, early, late	Along, through			Number facts, number line, number track, number square, number cards
Compare			Quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly	To, from, towards, away from			Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board
(In) order/a different order			Old, older, oldest, new, newer, newest	Movement			Same way, different
Size			Takes longer, takes less time	Slide, roll, turn, whole turn, half turn			
Value			Hour, o'clock, half past	Stretch, bend			
Between, halfway between			Clock, watch, hands				
Above, below			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				

			<p>same as, just over, just under</p> <p>Too many, too few, not 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>way, bestway, another way</p> <p>In order, in a different order</p> <p>Not all, every, each</p>
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New maths vocabulary for 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	Quarter past/to	Rotation	Size	Three quarters, one third, a third	Count, tally, sort	Predict
Hundreds	m/km, g/kg, ml/l	Clockwise, anticlockwise	Bigger, larger, smaller	Equivalence, equivalent	Vote	Describe the pattern, describe the rule
Partition, recombine	Temperature (degrees)	Straight line	Symmetrical, line of symmetry		Graph, block graph, pictogram,	Find, find all, find different
Hundred more/less		Ninety degree turn, right angle	Fold		Represent	Investigate
			Match		Group, set, list, table	
			Mirror line, reflection		Label, title	
			Pattern, repeating pattern		Most popular, most common, least popular, least common	

### New maths vocabulary for 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, vertical, 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

### New maths vocabulary for 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

### New maths vocabulary for 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

### New maths vocabulary for 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