

Appendix A

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 as well as vocabulary for EYFS. 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 in line with the current topic area being taught within the class and is promoted through mathematical talk in lessons.

New maths vocabulary for EYFS

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 line	Odd, even	Full, half, empty	Over, under, underneath, above, below, top, bottom, side	Sort	Whole	Listen, join in
One, two, three to twenty and beyond.	Add, more, plus, make, sum, total, altogether	Double, halve	Holds		Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square	Equal	Say, think, imagine, remember
None		Share, share equally	Container	On, in, outside, inside		One half	Start from
Count on/up/to/from/down	Double	Group in pairs	Weigh, weighs, balance	In front, behind	Shape		Look at, point to
Before, after	Half, halve	Equal groups of	Heavy, heavier, heaviest, light, lighter, lightest	Front, back	Flat, curved, straight, round		Put
More, less, many, few, fewer, fewest, smaller, smallest	Equals, is the same (including equals sign)	Divide	Scales	Before, after	Solid		What comes next?
Equal to, the same as	How many more to make...? How many more is,,, then,,,? How much more is...?		Time	Beside, next to	Corner		Find, use, make, build
Odd, even			Days of the week: Monday, Tuesday etc.	Middle	Face, side		Tell me, describe, pick out, talk about, explain, show me
Digit	Subtract, take away, minus.		Seasons: Spring, Summer, Autumn, Winter	Up, down, forwards, backwards. Sideways	Make, build, draw		Read, write
Numeral				Close, far			Tick, draw a line, ring
Compare			Days, week, month, year, weekend	Through			Cost
Order			Birthday, holiday	Towards, away from			Count, work out
Size			Morning, afternoon, evening, night	Side, roll, turn			Number line, number track, number square, number cards
Value			Bedtime,				
Between, halfway between							

			<p>dinnertime, playtime</p> <p>Today, yesterday, tomorrow</p> <p>Before, after, next, last</p> <p>Quickest, fastest, slowest</p> <p>Clock</p> <p>Once</p> <p>First, second, third</p> <p>Estimate</p> <p>Too many, too few</p> <p>Length, height</p> <p>Longer, longest, shorter, shortest, taller, tallest, higher, highest</p> <p>Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change</p> <p>How much? How many?</p> <p>Total</p>				<p>Counters, cubes, blocks, die, dice, dominoes, pegs, peg board</p> <p>Same way, different way</p> <p>In order, in a different order</p>
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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.
Greater, lesser	Number bonds	Once, twice, three times. Five times.	Midnight	Position	Group	Equal parts, four equal parts	Place, fit
Pair	Inverse	Count in tens (forwards from/ backwards from)	Now, soon, early, late	Around	Hollow	Two halves	Arrange, rearrange
Units, ones, tens	Near doubles	How many times?	Quick, quicker, quickly, fast, slow, slower	Opposite	Point, pointed	A quarter, two quarters	Change, change over
Ten more/less	Difference between	Lots of, groups of	Old, older, oldest, new, newer, newest	Apart	Edge		Split, separate
Figure (s)	How many fewer is...than...?	Multiple of, times, multiply, multiply by	Takes longer, takes less time	Between, edge, centre			Carry on, continue, repeat
In order/ A different order	How much less is...?	Repeated addition	Hour, o'clock, half past	Corner			Choose, collect
Above, below		Array, row, column	Watch, hands	Direction			Record, trace, copy, complete, finish, end
		Group in twos, threes, etc	How long ago? How long will it be to...? How long will it take to...? How often?	Journey			Fill in, shade, colour, cross, draw, draw a line between, join (up), arrow
		Divided by, left, left over	Always, never, often, sometimes, usually	Left, right			Answer, check, same number(s), different number(s), missing number(s)
			Once, Twice...	Across			Number facts
			First, second, third, etc	Near			Abacus, rods
				Along			Best way, another way
				To, from			
				Movement			
				Whole turn, half turn			
				Stretch, bend			

Close to, about the same as, just over, just under

Enough, not enough

Width, depth

Long, short, tall, high

Low, wide, narrow, deep, shallow, thick, thin

Far, near, close

Metre, ruler, metre stick

Costs more, costs less, dear(er), cheaper, costs the same as

Not all, every, each

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 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

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