The key for School Leaders

Maths vocabulary for the 2014 National Curriculum

We worked with Jazz Williams, one of the Key's associate education experts, to produce this KeyDoc. It sets out Key Stage (KS) 1 and KS2 maths vocabulary under the 2014 National Curriculum. The tables can be used to check pupils' understanding of new vocabulary introduced in years 1-6.

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**	**Problem solving**
Ten more/less Digit Numeral Figure(s) Compare (In) order/a different order Size	Number bonds Number line Add, more, plus, make, sum, total, altogether Inverse Double, near double	Odd, even Count in twos, threes, fives Count in tens (forwards from/backwards from) How many times? Lots of, groups of	Full, half full, empty Holds Container Weigh, weighs, balances Heavy, heavier, heaviest, light, lighter, lightest Scales	Position Over, under, underneath, above, below, top, bottom, side On, in, outside, inside Around, in front, behind Front, back	Group, sort Cube, cuboid, pyramid, Sphere, cone, cylinder, circle, triangle, square Shape Flat, curved, straight, round Hollow, solid	Whole Equal parts, four equal parts One half, two halves A quarter, two quarters	Listen, join in Say, think, imagine, remember Start from, start with, start at Look at, point to Put, place, fit Arrange, rearrange

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**	**Problem solving**
Value Between, halfway between Above, below	Equals, is the same as (including equals sign) Difference between How many more to make..?, how many more is…than..?, how much more is..? Subtract, take away, minus How many fewer is…than..?, how much less is..?	Once, twice, three times, 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, left over	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	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	Corner (point, pointed) Face, side, edge Make, build, draw		Change, change over Split, separate Carry on, continue, repeat, what comes next? Find, choose, collect, use, make, build 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

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	Problem solving
			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?	Along, through To, from, towards, away from Movement Slide, roll, turn, whole turn, half turn Stretch, bend			Cost Count, work out, answer, check same number(s)/different number(s)/missing number(s) Number facts, number line, number track, number square, number cards Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board Same way, different way, best way, another way

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	Problem solving
			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				In order, in a different order Not all, every, each

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**	**Problem solving**
			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				

New maths vocabulary for year 2						
Number and place value	**Measure**	**Geometry (position and direction)**	**Geometry (properties of shape)**	**Fractions**	**Data/statistics**	**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, 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

Jazz Williams is a deputy headteacher at a primary school. He has contributed to research projects and academic articles on reading comprehension and the primary curriculum.