



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

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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 | Problem solving  |
| Value                           | Equals, is the same as (including equals sign)                            | Once, twice, three times, five times      | Time   | Before, after  | Corner (point, pointed)        |           | Change, change over  |
| Between, halfway between        | Difference between  | Multiple of, times, multiply, multiply by | Days of the week                             | Beside, next to, Opposite                            | Face, side, edge               |           | Split, separate  |
| Above, below                    | How many more to make..?, how many more is...than..?, how much more is..? | Repeated addition                         | Seasons                                      | Apart  | Make, build, draw              |           | Carry on, continue, repeat, what comes next?   |
|                                 | Subtract, take away, minus  | Array, row, column                        | Day, week, month, year, weekend              | Between, middle, edge, centre                        |                                |           | Find, choose, collect, use, make, build  |
|                                 | How many fewer is...than..?, how much less is..?                          | Double, halve                             | Birthday, holiday                            | Corner   |                                |           | Tell me, describe, pick out, talk about, explain, show me                              |
|                                 |   | Share, share equally                      | Morning, afternoon, evening, night, midnight | Direction  |                                |           |  |
|                                 |   | Group in pairs, threes, etc.              | Bedtime, dinnertime, playtime                | Journey  |                                |           | Read, write, record, trace, copy, complete, finish, end                                |
|                                 |   | Equal groups of                           | Today, yesterday, tomorrow                   | Left, right, up, down, forwards, backwards, sideways |                                |           |  |
|                                 |   | Divide, divided by, left, left over       | Before, after                                | Across   |                                |           |  |
|                                 |   |   | Next, last                                   | Close, far, near                                     |                                |           | 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   |
|                                 |                          |                             | <p>Now, soon, early, late</p> <p>Quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly</p> <p>Old, older, oldest, new, newer, newest</p> <p>Takes longer, takes less time</p> <p>Hour, o'clock, half past</p> <p>Clock, watch, hands</p> <p>How long ago?, how long will it be to...?, how long will it take to...?, how often?</p> | <p>Along, through</p> <p>To, from, towards, away from</p> <p>Movement</p> <p>Slide, roll, turn, whole turn, half turn</p> <p>Stretch, bend</p> |                                |           | <p>Cost</p> <p>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</p> <p>Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board</p> <p>Same way, different way, best way, another way</p> |

| 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<br><br>Once, twice<br><br>First, second, third, etc.<br><br>Estimate, close to, about the same as, just over, just under<br><br>Too many, too few, not enough, enough<br><br>Length, width, height, depth<br><br>Long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest |                                   |                                |           | In order, in a different order<br>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<br><br>Far, near, close<br><br>Metre, ruler, metre stick<br><br>How much?, how many?<br><br>Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same as<br><br>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          | 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<br><br>Multiples of four, eight, fifty and one hundred<br><br>Scale up | Leap year<br><br>Twelve-hour/twenty-four-hour clock<br><br>Roman numerals I to XIII | Greater/less than ninety degrees<br><br>Orientation (same orientation, different orientation) | Horizontal, perpendicular and parallel lines | Numerator, denominator<br><br>Unit fraction, non-unit fraction<br><br>Compare and order<br><br>Tenths | Chart, bar chart, frequency table<br><br>Carroll diagram, Venn diagram<br><br>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<br>Decimal (places)<br><br>Round (to nearest)<br><br>Thousand more/less than<br><br>Negative integers<br><br>Count through zero<br><br>Roman numerals (I to C) | Multiplication facts (up to 12x12)<br><br>Division facts<br><br>Inverse<br><br>Derive | Convert | Coordinates<br><br>Translation<br><br>Quadrant<br><br>x-axis, y-axis<br><br>Perimeter and area | Quadrilaterals<br><br>Triangles<br><br>Right angle, acute and obtuse angles | Equivalent decimals and fractions | Continuous data<br><br>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<br><br>Composite numbers, prime number, prime factors, square number, cubed number<br><br>Formal written method | Volume<br><br>Imperial units, metric units | Reflex angle<br><br>Dimensions    | Regular and irregular polygons | Proper fractions, improper fractions, mixed numbers<br><br>Percentage<br><br>Half, quarter, fifth, two fifths, four fifths<br><br>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<br><br>Common factors, common multiples | Four quadrants (for coordinates)  | Vertically opposite (angles)<br><br>Circumference, radius, diameter | Degree of accuracy<br><br>Simplify  | Linear number sequence<br><br>Substitute<br><br>Variables<br><br>Symbol<br><br>Known values | Mean<br><br>Pie chart<br><br>Construct |

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