



## Mathematical vocabulary KS1 and KS2

<b>Number and place Value</b>	<b>Addition and subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>	<b>Geometry (properties of shape)</b>	<b>Position and direction</b>	<b>Measures</b>	<b>Problem Solving and general</b>
<ul style="list-style-type: none"> <li>Numbers</li> <li>Count</li> <li>Number bonds</li> <li>Tens and ones</li> <li>Place value</li> <li>More and less</li> <li>Odd and even</li> <li>Number</li> <li>Zero, one, two, three to twenty, and beyond</li> <li>None</li> <li>Count (on/up/to/from/down)</li> <li>Before, after</li> <li>More, less, many, few, fewer, least, fewest, smallest, greater, lesser</li> <li>Equal to, the same as</li> </ul>	<ul style="list-style-type: none"> <li>Number bonds, number line</li> <li>Add, more, plus, make, sum, total, altogether</li> <li>Inverse</li> <li>Double, near double</li> <li>Half, halve</li> <li>Equals, is the same as (including equals sign)</li> <li>Difference between</li> <li>How many more to make..?, how many more is...than..?, how much more is..?</li> <li>Subtract, take away, minus</li> <li>How many fewer is...than..?, how much less is..?</li> </ul>	<ul style="list-style-type: none"> <li>Odd, even</li> <li>Count in twos, threes, fives</li> <li>Count in tens (forwards from/backwards from)</li> <li>How many times?</li> <li>Lots of, groups of</li> <li>Once, twice, three times, five times</li> <li>Multiple of, times, multiply, multiply by</li> <li>Repeated addition</li> </ul>	<ul style="list-style-type: none"> <li>Whole</li> <li>Equal parts, four equal parts</li> <li>One half, two halves</li> <li>A quarter, two quarters</li> <li>Three quarters, one third, a third</li> <li>Equivalence, equivalent</li> </ul>	<ul style="list-style-type: none"> <li>Group, sort</li> <li>Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square</li> <li>Shape</li> <li>Flat, curved, straight, round</li> <li>Hollow, solid</li> <li>Corner (point, pointed)</li> <li>Face, side, edge</li> <li>Make, build, draw</li> <li>Size</li> <li>Bigger, larger, smaller</li> <li>Symmetric</li> </ul>	<ul style="list-style-type: none"> <li>Position</li> <li>Over, under, underneath, above, below, top, bottom, side</li> <li>on, in, outside, inside</li> <li>around, in front, behind</li> <li>Front, back</li> <li>Before, after</li> <li>Beside, next to, Opposite</li> <li>Apart</li> <li>Between, middle, edge, centre</li> <li>Corner</li> <li>Direction</li> <li>Journey</li> <li>Left, right, up, down, forwards, backwards, sideways</li> </ul>	<ul style="list-style-type: none"> <li>Full, half full, empty</li> <li>Holds</li> <li>Container</li> <li>Weigh, weighs, balances</li> <li>Heavy, heavier, heaviest, light, lighter, lightest</li> <li>Scales</li> <li>Time</li> <li>Days of the week: Monday, Tuesday, etc.</li> <li>Seasons: spring, summer, autumn, winter</li> <li>Day, week, month, year, weekend</li> <li>Birthday, holiday</li> <li>Morning, afternoon, evening</li> <li>night, midnight</li> <li>Bedtime,</li> </ul>	<ul style="list-style-type: none"> <li>Listen, join in</li> <li>Say, think, imagine, remember</li> <li>Start from, start with, start at</li> <li>Look at, point to</li> <li>Put, place, fit</li> <li>Arrange, rearrange</li> <li>Change, change over</li> <li>Split, separate</li> <li>Carry on, continue, repeat, what comes next?</li> <li>Tell me, describe, pick out, talk about, explain, show me</li> <li>Read, write, record, trace, copy, complete, finish, end</li> <li>Fill in, shade,</li> </ul>

<ul style="list-style-type: none"> <li>• Odd, even</li> <li>• Pair</li> <li>• Units, ones, Ten more/less</li> <li>• Digit</li> <li>• Numeral</li> <li>• Figure(s)</li> <li>• Compare</li> <li>• (In) order/a different order</li> <li>• Size</li> <li>• Value</li> <li>• Between, halfway between</li> <li>• Above, below</li> <li>• Numbers to one hundred</li> <li>• Hundreds</li> <li>• Partition, recombine</li> <li>• Hundred more/less</li> </ul>	<ul style="list-style-type: none"> <li>• Commutative</li> <li>• Inverse</li> </ul>	<ul style="list-style-type: none"> <li>• Array, row, column</li> <li>• Double, half</li> <li>• Share, share equally</li> <li>• Group in pairs, threes, etc.</li> <li>• Equal groups of</li> <li>• Divide, divided by, left, left over</li> </ul>		<ul style="list-style-type: none"> <li>• al, line of symmetry</li> <li>• Fold</li> <li>• Match</li> <li>• Mirror line, reflection</li> <li>• Pattern, repeating pattern</li> </ul>	<ul style="list-style-type: none"> <li>• Across</li> <li>Close, far, near</li> <li>Along, through</li> <li>• To, from, towards, away from</li> <li>Movement</li> <li>• Slide, roll, turn, whole turn, half turn</li> <li>Stretch, bend</li> <li>• Rotation</li> <li>• Clockwise, anticlockwise</li> <li>• Straight line</li> <li>• Ninety degree turn, right angle</li> </ul>	<ul style="list-style-type: none"> <li>dinnertime, playtime</li> <li>• Today, yesterday, tomorrow</li> <li>• Before, after</li> <li>• Next, last</li> <li>• Now, soon, early, late</li> <li>• Quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly</li> <li>• Old, older, oldest, new, newer, newest</li> <li>• Takes longer, takes less time</li> <li>• Hour, o'clock, half past</li> <li>• Clock, watch, hands</li> <li>• How long ago?, how long will it be to...?, how long will it take to...?, how often?</li> <li>• Always, never, often, sometimes, usually</li> <li>• Once, twice</li> <li>• First, second, third, etc.</li> <li>• Estimate, close to, ,</li> </ul>	<ul style="list-style-type: none"> <li>colour, tick, cross, draw, draw a line between, join (up), ring, arrow</li> <li>• Cost</li> <li>• Count, work out, answer, check same number(s)/different number(s)/missing number(s)</li> <li>• Number facts, number line, number track, number square, number cards</li> <li>• Abacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg board</li> <li>• Same way, different</li> <li>• Find, choose, collect, use, make, build way, best way, another way</li> <li>• In order, in a different order</li> <li>Not all, every, each</li> </ul>
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## New Vocabulary for KS2

### Year 3

<b>Number and place Value</b>	<b>Addition and subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions</b>	<b>Geometry (properties of shape)</b>	<b><u>Geometry Position and direction</u></b>	<b><u>Measures</u></b>	<b><u>Data Statistics</u></b>
<ul style="list-style-type: none"> <li>• Numbers to one thousand</li> <li>• Column</li> </ul>	<ul style="list-style-type: none"> <li>• Column addition and subtraction</li> </ul>	<ul style="list-style-type: none"> <li>• Product</li> <li>• Multiples of four, eight, fifty and one hundred</li> <li>• Scale up</li> </ul>	<ul style="list-style-type: none"> <li>• Numerator, denominator</li> <li>• Unit fraction, nonunit fraction</li> <li>• Compare and order</li> <li>• Tenths chart</li> </ul>	<ul style="list-style-type: none"> <li>• Quadrilaterals</li> <li>• Triangles</li> <li>• Right angle, acute and obtuse angles</li> <li>• Perimeter and area</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinates</li> <li>• Translation</li> <li>• Quadrant</li> <li>• x-axis, y-axis</li> </ul>	<ul style="list-style-type: none"> <li>• Leap year</li> <li>• Twelve hour/twenty-four- hour clock</li> <li>• Roman numerals I to XIII Greater</li> </ul>	<ul style="list-style-type: none"> <li>• Chart</li> <li>• Bar chart</li> <li>• frequency table, Carroll diagram, Venn diagram</li> <li>• Axis, axes</li> <li>• Diagram</li> </ul>

### Year 4

<b>Number and place Value</b>	<b>Multiplication and Division</b>	<b>Fractions</b>	<b>Geometry (properties of shape)</b>	<b><u>Geometry Position and direction</u></b>	<b><u>Measures</u></b>	<b><u>Data Statistics</u></b>
<ul style="list-style-type: none"> <li>• Tenths, hundredths Decimal (places)</li> <li>• Round (to nearest)</li> <li>• Thousand more/less than</li> <li>• Negative integers</li> <li>• Roman Numerals</li> <li>• Roman numerals (I to C)</li> </ul>	<ul style="list-style-type: none"> <li>• Multiplication facts (up to 12x12)</li> <li>• Division facts</li> <li>• Inverse</li> <li>• Derive</li> </ul>	<ul style="list-style-type: none"> <li>• Equivalent decimals and fractions</li> </ul>	<ul style="list-style-type: none"> <li>• Quadrilaterals</li> <li>• Triangles</li> <li>• Right angle, acute and obtuse angles</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinates</li> <li>• Translation</li> <li>• Quadrant</li> <li>• x-axis, y-axis</li> <li>• Perimeter and area</li> </ul>	<ul style="list-style-type: none"> <li>• Convert</li> </ul>	<ul style="list-style-type: none"> <li>• Continuous data</li> <li>• Line graph</li> </ul>

<b>Year 5</b>						
<b>Number and place Value</b>	<b>Addition and subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions, decimals and percentages</b>	<b>Geometry (properties of shape)</b>	<b><u>Geometry Position and direction</u></b>	<b><u>Measures</u></b>
<ul style="list-style-type: none"> <li>Power of 10</li> </ul>	<ul style="list-style-type: none"> <li>Efficient written method</li> </ul>	<ul style="list-style-type: none"> <li>Factor pairs</li> <li>Composite numbers, prime number, prime factors, square number, cubed number</li> <li>Formal written method</li> </ul>	<ul style="list-style-type: none"> <li>Proper/improper fractions, mixed numbers</li> <li>Percentage</li> <li>Half, quarter, fifth, two fifths, four fifths</li> <li>Ratio, proportion</li> </ul>	<ul style="list-style-type: none"> <li>Regular and irregular</li> <li>Polygons</li> </ul>	<ul style="list-style-type: none"> <li>Reflex angle</li> <li>Dimensions</li> </ul>	<ul style="list-style-type: none"> <li>Volume</li> <li>Imperial units, metric units</li> </ul>

<b>Year 6</b>							
<b>Number and place Value</b>	<b>Addition and subtraction</b>	<b>Multiplication and Division</b>	<b>Fractions, decimals and percentages</b>	<b>Geometry (properties of shape)</b>	<b><u>Geometry Position and direction</u></b>	<b><u>Statistics and data</u></b>	<b><u>Algebra</u></b>
<ul style="list-style-type: none"> <li>Numbers to ten million</li> </ul>	<ul style="list-style-type: none"> <li>Order of operations</li> </ul>	<ul style="list-style-type: none"> <li>Order of operations</li> <li>Common factors, common multiples</li> </ul>	<ul style="list-style-type: none"> <li>Degree of accuracy</li> <li>Simplify</li> </ul>	<ul style="list-style-type: none"> <li>Vertically opposite (angles)</li> <li>Circumference, radius, diameter</li> </ul>	<ul style="list-style-type: none"> <li>Four quadrants (for coordinates)</li> </ul>	<ul style="list-style-type: none"> <li>Pie chart</li> <li>Mean</li> <li>Construct</li> </ul>	<ul style="list-style-type: none"> <li>Linear number sequence</li> <li>Substitute</li> <li>Variables</li> <li>Symbol</li> <li>Known values</li> </ul>