



OJS Key Vocabulary for Mathematics

“The poetry of logical ideas”



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.

<u>Oatlands Infant School</u>							
Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measure	Geometry (position and direction)	Geometry (properties of shape)	General/problem solving
Number	Number bonds, number line	Odd, even	Whole	Full, half full, empty	Position	Group, sort	Listen, join in
Zero, one, two, three to twenty, and beyond	Add, more, plus, make, sum, total, altogether	Count in twos, threes, fives	Equal parts, four equal parts	Holds	Over, under, underneath, above, below, top, bottom, side on, in, outside, inside	Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square	Say, think, imagine, remember
None	Inverse	Count in tens (forwards from/backwards from)	One half, two halves	Container	around, in front, behind		Start from, start with, start at
Count (on/up/to/from/ down)	Double, near double	How many times?	A quarter, two quarters	Weigh, weighs, balances	Front, back		Look at, point to
Before, after				Heavy, heavier, heaviest, light, lighter, lightest			Put, place, fit
							Arrange, rearrange



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More, less, many, few, fewer, least, fewest, smallest, greater, lesser	Half, halve	Lots of, groups of	Three quarters, one third, a third	Scales	Before, after	Flat, curved, straight, round	Change, change over
Equal to, the same as	Equals, is the same as (including equals sign)	Once, twice, three times, five times	Equivalence, equivalent	Time Days of the week: Monday, Tuesday, etc. Seasons: spring, summer, autumn, winter day, week, month, year, weekend	Beside, next to,	Hollow, solid	Split, separate
Odd, even	Difference between	Multiple of, times, multiply, multiply by		Birthday, holiday	Opposite	Corner (point, pointed)	Carry on, continue, repeat, what comes next?
Pair Units, ones, tens	How many more to make..?, how many more	Repeated addition		Morning, afternoon, evening, night, midnight	Apart	Face, side, edge	Find, choose, collect, use, make, build
Ten more/less	is...than..?, how much more is..?	Array, row, column		Bedtime, dinnertime, playtime	Between, middle, edge, centre Corner	Make, build, draw	Tell me, describe, pick out, talk about, explain, show me
Digit Numeral	Subtract, take away, minus	Double, halve		Today, yesterday, tomorrow	Direction	Size	Read, write, record, trace, copy, complete, finish, end
Figure(s)	How many fewer is...than..?, how much less is..?	Share, share equally		Before, after	Journey Left, right, up, down, forwards, backwards, sideways	Bigger, larger, smaller	
Compare (In) order/a different order		Group in pairs, threes, etc.			Across	Symmetrical, line of symmetry	
Size Value		Equal groups of			Close, far, near	Fold	Fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow
Between, halfway between Above, below		Divide, divided by, left, left over			Along, through	Match	
						Mirror line, reflection	Cost



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<p>Numbers to one hundred</p> <p>Hundreds</p> <p>Partition, recombine</p> <p>Hundred more/less</p>				<p>Next, last</p> <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>To, from, towards, away from</p> <p>Movement</p> <p>Slide, roll, turn, whole turn, half turn</p> <p>Stretch, bend</p> <p>Rotation</p> <p>Clockwise, anticlockwise</p> <p>Straight line</p> <p>Ninety-degree turn, right angle</p>	<p>Pattern, repeating pattern</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> <p>In order, in a different order</p> <p>Not all, every, each</p> <p>Predict</p>
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				<p>Always, never, often, sometimes, usually</p> <p>Once, twice</p> <p>First, second, third, etc.</p> <p>Estimate, close to, about the same as, just over, just under</p> <p>Too many, too few, not enough, enough Length, width, height, depth Long, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highest Low, wide, narrow, deep, shallow,</p>			<p>Describe the pattern, describe the rule Find, find all, find different</p> <p>Investigate</p>
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				<p>thick, thin 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>Quarter past/to m/km, g/kg, ml/l</p> <p>Temperature (degrees)</p>			
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Year 3							
Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measure	Geometry (position and direction)	Geometry (properties of shape)	Data/statistics
Numbers to one thousand	Column addition and subtraction	Product Multiples of four, eight, fifty and one hundred Scale up	Numerator, denominator Unit fraction, non-unit fraction Compare and order Tenths	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	Chart, bar chart, frequency table, Carroll diagram, Venn diagram Axis, axes Diagram
Year 4							
Number and place value	Multiplication and division	Fractions and decimals	Measure	Geometry (position and direction)	Geometry (properties of shape)	Data	
Tenths, hundredths Decimal (places) Round (to nearest)	Multiplication facts (up to 12x12) Division facts Inverse Derive	Equivalent decimals and fractions	Convert	Coordinates Translation Quadrant x-axis, y-axis Perimeter and area	Quadrilaterals Triangles Right angle, acute and obtuse angles	Continuous data Line graph	



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Thousand more/less than						
Negative integers						
Count through zero						
Roman numerals (I to C)						
<u>Year 5</u>						
Number and place value	Addition and subtraction	Multiplication and division	Fractions, decimals and percentages	Measure	Geometry (position and direction)	Geometry (properties of shape)
Powers of 10	Efficient written method	Factor pairs Composite numbers, prime number, prime factors, square number, cubed number Formal written method	Proper fractions, improper fractions, mixed numbers Percentage Half, quarter, fifth, two fifths, four fifths Ratio, proportion	Volume Imperial units, metric units	Reflex angle Dimensions	Regular and irregular Polygons



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Year 6							
Number and place value	Addition and subtraction	Multiplication and division	Fractions, decimals and percentages	Algebra	Geometry (position and direction)	Geometry (properties of shape)	Data/statistics
Numbers to ten million	Order of operations	Order of operations Common factors, common multiples	Degree of accuracy Simplify	Linear number sequence Substitute Variables Symbol Known values	Four quadrants (for coordinates)	Vertically opposite (angles) Circumference, radius, diameter	Mean Pie chart Construct