



St Andrew's Junior School

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. In line with our YR - Y6 Calculations policy, I have included vocabulary from Y1 - Y6.

This list has been cross-referenced with our calculation policy and is 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 used in every lesson and is in bold and in red on the Smart Notebook Lesson Slides and 'Maths Learning Walls' at appropriate times during the academic year, and is promoted through mathematical talk in lessons.

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
Number	Number bonds, number line	Odd, even	Full, half full, empty	Position	Group, sort	Whole	Listen, join in
Zero, one, two, three to twenty and beyond	Add, more, plus, make, sum, total, altogether	Count in twos, threes, fives	Holds	Over, under, underneath, above, below, top, bottom, side	Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square	Equal parts, four equal parts	Say, think, imagine, remember
None	Inverse	Count in tens (forwards from / backwards from)	Container	On, in outside, inside	Shape	One half, two halves	Start from, start with, start at
Count (on/ up/ to/ from/ down)	Double, near double	How many times?	Heavy, heavier, heaviest, light, lighter, lightest	Around, in front, behind	Flat, curved, straight, round	A quarter, two quarters	Look at, point to
Before, after	Half, halve	Lots of, groups of	Scales	Front, back	Hollow, solid		Put, place, fit
More, less, many, few, fewer, least, fewest, smallest, greater, lesser	Equals, is the same as (including equals sign)	Once, twice, three times, five times	Times	Before, after	Corner (point, pointed)		Arrange, rearrange
Equal to, the same as	Difference between	Multiple of, times, multiply, multiply by	Days of the week: Monday, Tuesday etc	Beside, next to, opposite	Face, side, edge		Change, change over
Odd, even	How many more to make ...? , how many more is?, how much more is?	Repeated addition	Seasons: spring, summer, autumn, winter	Apart	Make, build, draw		Split, separate
Pair	Subtract, take away, minus	Array, row, column	Day, week, month, year, weekend	Between, middle, edge, centre			Carry on, continue, repeat, what comes next?
Units, ones, tens	Double, halve	Share, share equally	Birthday, holiday	Corner			Find, choose, collect, use, make, build
Ten more, ten less	How many fewer is... than ...? , How much less is... ?	Group in pairs, threes etc	Morning, afternoon, evening, night, midnight	Direction			Tell me, describe, pick out, talk about, explain, show me
Digit			Bedtime, dinner, playtime	Journey			
Numeral		Equal groups of	Today, yesterday, tomorrow	Left, right, up, down, forwards, backwards, sideways			Read, write, record, trace, copy, complete, finish, end
Figure (s)		Divide, divided, by, left, left over	Before, after, next last				
Compare (In) order / a different order			Now, soon, early, later				

Size			Quick, quicker, quickest, quickly, fast, faster, fastest, slow, slower, slowest, slowly	Across			Fill in, shade, colour, tick, cross, draw, draw a line, between, join (up), ring, arrow
Value				Close, far, near			
Between, halfway between			Old, older, oldest, new, newer, newest	Along, through			Cost
Above, below			Takes longer, takes less time	To, from, towards, away from			Count, work out, answer, check, same number, different number, missing number
			Hour, o'clock, half past	Movement			
			Clock, watch, hands	Slide, roll, turn, whole turn, half turn			Number facts. Number line, number track, number square, number cards
			How long ago?, How long will it be?, How long will it take to...?, How often?	Stretch, bend			
			Always, never, often, sometimes, usually				Counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg boards
			Once, twice				Same way, different way, best way, another way
			First, second, third etc				In order, in a different order
			Estimate, close to, about the same as, just over, just under Too many, too few, not enough				Not all, every, each
			Length, width, height, depth				
			Long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest				
			Low, wide, narrow, deep, shallow, thick, thin				
			Far, near, close				
			Metre, ruler, metre stick				
			Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change				

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	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/ hundred 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	

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
Number to one thousand	Column addition	Product	Leap year	Greater / less than	Horizontal, vertical, perpendicular and parallel lines	Numerator, denominator	Chart, bar chart, frequency table, Carroll diagram, Venn diagram
Part, whole	Difference	Multiples of four, eight, fifty and one hundred	Twelve-hour / twenty/four hour clock	Ninety degrees		Unit fraction, non-unit fraction	Axis, axes
Hundreds, tens, ones	Decrease/ increase	Scale up	Roman numerals I x XIII	Orientation (same orientation, different orientation)		Compare and order	Diagram
Estimate, partition, recombine	Column subtraction	Near multiples of 10 and 100				Tenths	
Rounding	Exchange	Remainder					
Inverse							

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	Multiplication facts (up to 12 x 12)	Convert	Coordinates	Quadrilaterals	Equivalent decimals and fractions	Continuous data
Decimal places			Translation	Triangles		Line graph
Round (to nearest)	Division facts		Quadrant	Right angle, acute and obtuse angles		
Thousand more / less	Inverse		x-axis, y-axis			
Negative integers	Derive		Perimeter and area			
Count through zero	Double, near double					
Roman numbers (I to C)	Divided by, divided into					
	Share between					
Part, whole	Groups of					
	Factor, factor pair					
	Multiple					
	Times as (big, long, wide etc)					
	Remainder					
	Quotient					
	Divisor					
	Dividend					
	Inverse					

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	Volume	Reflex angle	Regular and irregular polygons	Proper fractions, improper fractions, mixed numbers
Part, whole		Composite numbers, prime numbers, primer factors, square number, cubed number	Imperial units, metric units	Dimensions		Percentage
Tens of thousands boundary		Formal written method				Half, quarter, fifth, two fifths, four fifths
		Short division				Ration, proportion
		Inverse				
		Power of				
		Remainder				
		Quotient				
		Divisor				
		Dividend				

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	Four quadrants (for co-ordinates)	Vertically opposite angles	Degree of accuracy	Linear numbers sequences	Mean
Part, whole		Common factors, common multiples		Circumference, radius, diameter	Simplify	Substitute	Pie chart
		Long division				Variables	Construct
		Short division				Symbol	
		Inverse				Known values	
		Power of					
		Remainder					
		Quotient					
		Divisor					
		Dividend					
		Inverse					