



Progression of Maths Vocabulary

This document sets out Key Stage 1 (KS1) and Key Stage 2 (KS2) maths vocabulary under the National Curriculum. The tables can be used to check pupils' understanding of new vocabulary and to check the progression of vocabulary. The lists are intended as a guide as to what pupils should know and are not exhaustive.

Number and Place Value						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
number, numeral, digit	0-20 (numerals and words)	numbers to one hundred	numbers to one thousand	decimal (place)	numbers to one million	numbers to ten million
0-20 (numerals)	none	hundred / hundreds	hundred more, hundred less	tenths, hundredths	five-digit, six-digit, seven-digit	rounding with a degree of accuracy
less than, more than, same as	count (on/up/to/from/down, forwards, backwards)	three-digit	four-digit	round (to the nearest...)	powers of 10	
count on/back	before, after	partition	estimate	thousand more, thousand less	Roman numerals (up to M and beyond)	
more, less, few, fewer, same	more, less, many, few, fewer, least, fewest, smallest, greater, lesser	recombine		negative integers		
bigger, smaller	equal to, the same as			count through zero		
order, sequence	odd, even			Roman numerals (I to C)		
	pair					
	ones, tens					
	one more / less, ten more/less					
	digit, one-digit, two-digit					
	compare					
	(In) order/a different order					
	size					
	value, place value					
	between, halfway between					
	above, below					



Progression of Maths Vocabulary

Addition and Subtraction						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
altogether, add, plus, total, + fewer, less, left over, take away, subtract, - equals, =, same as	number bonds (within 20) number line add, more, plus, make, sum, total, altogether (including +) subtract, take away, minus (including -) inverse double, near double half, halve equals, is the same as (including =) difference between how many more to make..?, how many more is... than...?, how much more is ...? how many fewer is... than...?, how much less is...? missing number one-step problems	related facts estimation mentally inverse operation, inverse relationship	column addition, column subtraction formal addition, formal subtraction	two-step problems	efficient written method multi-step problems	order of operations



Progression of Maths Vocabulary

Multiplication and Division						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
share, sharing, group, grouping, half, halves, fair, equal double, groups of	odd, even count in twos, threes, fives count in tens (forwards from/backwards from) how many times? lots of, groups of once, twice, three times, five times multiple of, times, multiply, multiply by (including x) repeated addition array, row, column double, halve share, share equally group in pairs, threes, etc. equal groups of divide, divided by, left, left over (including ÷) one-step problems	multiplication and division facts (2, 5, 10) commutative, commutativity remainders	multiplication and division facts (3, 4, 8) product multiples of four, eight, fifty, one hundred scale up positive integer, scaling problems	multiplication and division facts (up to 12x12) inverse derive distributive law factor pairs	composite numbers, prime numbers, prime factors square numbers, ² cube numbers, ³ formal written method	order of operations common factors, common multiples



Progression of Maths Vocabulary

Measurement						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
thick, thin, wide	full, half full, empty	quarter past/to	times to and past – nearest minute	convert	metric measure	
tall, taller, tallest	holds	times to and past – 5 minute intervals	leap year	perimeter – rectilinear figure	metric units, common imperial units	
small, smaller, smallest	container	intervals of time	twelve- hour/twenty-four-hour clock	area – rectilinear shapes by counting squares	inches, pounds, pints	
short, shorter, shortest	weigh, weighs, balances, scales	metre / kilometre (m/km)	analogue, digital		volume	
measure, tape measure,	heavy, heavier, heaviest, light, lighter, lightest	grams / kilograms (g/kg)	Roman numerals (I to XII)		decimal notation	
heavy, heavier, heaviest	time	millilitres / litres (ml/l)	durations of events			
light, lighter, lightest	Days of the week: Monday, Tuesday, etc.	temperature (degrees)	perimeter – simple 2D shapes			
deep, deeper	Seasons: spring, summer, autumn, winter	pounds, £	change			
today, tomorrow, yesterday, week, month, weekend	day, week, month, year, weekend,	pence, p				
clock, o'clock, minute,	birthday, holiday					
always, now, never	morning, afternoon, evening, night, midnight					
spring, summer, autumn, winter	bedtime, dinnertime, playtime					
weight, weigh	today, yesterday, tomorrow					
full, half full, nearly full, empty, nearly empty	before, after					
	next, last					
	now, soon, early, late					



Progression of Maths Vocabulary

<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, minute, 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>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</p> <p>length, width, height, depth</p> <p>long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest</p> <p>low, wide, narrow, deep, shallow, thick, thin</p> <p>far, near, close</p>					
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Progression of Maths Vocabulary

	<p>metre, ruler, metre stick</p> <p>money</p> <p>coin, penny, pence, pound</p> <p>price, cost</p> <p>buy, sell, spend, spent, pay, change, dear(er)</p> <p>costs more, costs less, cheaper, costs the same as</p> <p>how much?, how many?</p> <p>total</p>					
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Progression of Maths Vocabulary

Geometry: properties of shape						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
circle, square, triangle, rectangle	group, sort	size	orientation, different orientations	compare, classify	regular and irregular polygons	nets
cube, cuboid, sphere, cone, cylinder, pyramid	shape 2D, 3D	bigger, larger, smaller	horizontal, vertical, perpendicular and parallel lines	geometric shapes	degrees	vertically opposite (angles)
straight, curved, line, corner, side, face, edge, vertices, flat, solid	circle, triangle, square, rectangle	symmetrical, line of symmetry	angles, right angles	quadrilaterals	reflex angles	circumference, radius, diameter
	cube, cuboid, pyramid, sphere, cone, cylinder	fold		triangles		
	flat, curved, straight, round	match		acute angles, obtuse angles		
	hollow, solid	mirror line, reflection				
	corner (point, pointed)	pattern, repeating pattern				
	face, side, edge	similarities, differences				
	make, build, draw					



Progression of Maths Vocabulary

Geometry: position, direction and movement

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
position, place, turn, whole turn, half turn, in front, behind, back, middle, above, under, inside, next to, below in between forwards, backwards, up down, around	position over, under, underneath, above, below, top, bottom, side on, in, outside, inside around, in front, behind front, back before, after beside, next to, opposite apart between, middle edge, centre corner direction left, right, up, down, forwards, backwards, sideways across, close, far, near along, through to, from, towards, away from movement slide, roll, turn, whole turn, half turn stretch, bend journey	rotation clockwise, anticlockwise straight line ninety degree turn, right angle	greater/less than ninety degrees orientation (same orientation, different orientation)	coordinates quadrant x-axis, y-axis plot translation	dimensions	four quadrants (for coordinates)



Progression of Maths Vocabulary

Statistics						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
more than, less than		count, tally, sort, vote, total graph, block graph, pictogram, represent group, set, list, table label, title most popular, most common, least popular, least common, in total	chart bar chart, frequency table Carroll diagram, Venn diagram axis diagram one-step, two-step questions	discrete data, continuous data problems: comparison, sum, difference line graph	tables timetables	mean, average pie chart construct



Progression of Maths Vocabulary

Problem Solving						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>explore, how do you know, what if, what do you think, how does it look, why didn't that work – how can we change it? What do I need? Is there another way?</p> <p>repeating patterns.</p>	<p>answer, prove, explain (APE)</p> <p>reasoning</p> <p>listen, join in</p> <p>say, think, imagine, remember</p> <p>start from, start with, start at</p> <p>look at, point to</p> <p>put, place, fit</p> <p>arrange, rearrange</p> <p>change, change over</p> <p>split, separate</p> <p>carry on, continue, repeat, what comes next?</p> <p>find, choose, collect, use, make</p> <p>tell me, describe, pick out, talk about, explain, show me</p> <p>read, write, record, trace, copy, complete, finish, end</p> <p>fill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrow</p>	<p>predict</p> <p>describe the pattern, describe the rule</p> <p>find, find all..., find different...</p> <p>investigate</p> <p>true, false</p> <p>+ ongoing reasoning and problem solving skills</p>	<p>+ ongoing reasoning and problem solving skills</p>	<p>+ ongoing reasoning and problem solving skills</p>	<p>+ ongoing reasoning and problem solving skills</p>	<p>+ ongoing reasoning and problem solving skills</p>



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	<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>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, some</p> <p>+ ongoing reasoning and problem solving skills</p>					
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