

# Mathematical Vocabulary Progression

Shows new vocabulary introduced in each year group. All of the vocabulary learnt in previous years should be built upon.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>NUMBER</b>							
Number	Zero, number, one, two, three...to twenty and beyond Teens numbers, eleven, twelve...twenty None How many...? Count, count (up) to, count on (from, to), count back (from, to) Count in ones, twos, fives, tens Is the same as More, less Odd, even Few Pattern pair	Numeral Twenty-one, twenty-two... one hundred Forwards Backwards Equal to Equivalent to Most, least Multiple of	Two hundred...one thousand Count in threes, fours, and so on Tally Sequence Continue Predict Rule > greater than < less than	Count in eights, fifties and so on to hundreds Factor of Relationship Roman numerals	Ten thousand, hundred thousand, million Count in sixes, sevens, nines, twenty-fives Next, consecutive Integer, positive, negative above/below zero, minus Negative numbers	Greater than or equal to Less than or equal to Formula Divisibility Square number Prime number ascending/ descending order	Factorise, prime factor Digit total
Place Value	Ones	Half-way	Hundreds	One hundred	One thousand		

	<p>Tens Digit The same as, as many as More, larger, bigger, greater Fewer, smaller, less Fewest, smallest, least Most, biggest, largest, greatest One more, then more One less, ten less Compare Order Size First, second, third...twentieth Last, last but one Before, after Next between</p>	<p>between Above, below</p>	<p>One-, two- or three-digit numbers Place, place value Stands for, represents Exchange Twenty-first, twenty-second</p>	<p>more One hundred less</p>	<p>more, one thousand less</p>		
<p>Estimating</p>	<p>Guess How many...? Estimate Nearly Close to About the same as Just over, just</p>	<p>Roughly</p>	<p>Exact Exactly</p>	<p>Approximate, approximately Round, nearest, round to the nearest ten, hundred Round up, round down</p>	<p>Round to nearest thousand</p>	<p>Round to nearest ten thousand</p>	

	under Too many, too few Enough, not enough						
Addition & Subtraction	Add, more, and Make, sum, total Altogether Double One more, two more...ten more How many more to make...? How many more is... than...? How much more is...? Take away How many are left/left over? How many have gone? One less, two less, ten less... How many fewer is... than ...? How much less is ...? Difference between	Addition Near double Half, halve Subtract Equals Is the same as Number bonds/pairs Missing number	One hundred more One hundred less Facts Tens boundary	Hundreds boundary	inverse	Ones boundary, tenths boundary	

<p>Multiplication &amp; Division</p>	<p>Sharing Doubling Halving Number patterns</p>	<p>Multiplication Multiply Multiplied by Multiple Division Dividing Grouping array</p>	<p>Groups of Times Once, twice, three times...ten times Repeated addition Divide, divided by, divided into Share, share equally Left, left over One each, two each, three each...ten each Group in pairs, threes...tens Equal groups of Row, column Multiplication table Multiplication fact, division fact</p>	<p>Factor Product Remainder</p>	<p>Inverse Square, squared Cube, cubed</p>		
<p>Fractions</p>	<p>Parts of a whole Half quarter</p>	<p>Fraction Equal part Equal grouping Equal sharing One of two equal parts One of four equal parts</p>	<p>Equivalent fraction Mixed number Numerator Denominator Two halves, two quarters, three quarters One third, two</p>	<p>Sixths, sevenths, eights, tenths...</p>	<p>Hundredths Decimal, decimal fraction, decimal point, decimal place, decimal equivalent Proportion</p>	<p>proper/improper fraction equivalent, reduced to, cancel Thousandths In every, for every Percentage,</p>	<p>Ratio  <b>ALGEBRA</b> Formula, formulae, equation, unknown, variable</p>

			thirds One of three equal parts			per cent %	
MEASUREMENT							
	Measure Size Compare Guess Estimate Enough, not enough Too much, too little Too many, too few Nearly, close to, about the same as Just over, just under	Measurement	Measuring scale				
Length	Metre Length, height, width, depth Long, short, tall High, low Wide, narrow Thick, thin Longer, shorter, taller, higher...	Centimetre Ruler Metre stick	Further, furthest Tape measure				

	Longest, shortest, tallest, highest... Far, near, close						
Weight	Weigh, weighs, balances Heavy, light Heavier than, lighter than Heaviest, lightest scales	Kilogram Half kilogram	Gram				
Capacity & volume	Full Empty Half full Holds container	Litre, half litre Capacity Volume More than Less than Quarter full	Millilitre contains				
Temperature			Temperature degree				
Time	Time Days of the week, Monday...etc Day, week Birthday, holiday Morning, afternoon, evening, night Bedtime, diner	Months of the year, January etc Seasons: spring, summer, autumn, winter Weekend, month, year Earlier, later First	Fortnight 5, 10, 15 ...minutes past digital/analogu e clock/watch, timer seconds				

	<p>time, playtime  Today,  yesterday,  tomorrow  Before, after  Next, last  Now, soon,  early, late  Quick, quicker,  quickest,  quickly  Slow, slower,  slowest, slowly  Old, older,  oldest  New, newer,  newest  Takes longer,  take less time  Hour, o'clock  clock, watch,  hands</p>	<p>Midnight  Date  How long ago?  How long will it  be to...?  How long will it  take to...?  How often?  Always,  sometimes,  never, often  Usually  Once, twice  Half past,  quarter past,  quarter to  Clock face  Hour hand,  minute hand  Hours, minutes</p>					
Money	<p>Money  Coin  Penny, pence,  pound  Price, cost  Buy, sell  Spend, spent  pay</p>	<p>Change  Dear, costs  more  Cheap, costs  less, cheaper  Costs the same  as  How much...?  How many...?  Total</p>	Bought, sold				

GEOMETRY							
Properties of shape	Shape, pattern Flat Curved, straight Round Hollow, solid Sort Make, build, draw Size Bigger, larger, smaller Symmetrical Pattern, repeating pattern Match	Symmetry, symmetrical pattern	Surface Line symmetry Regular Irregular	perimeter	Line Construct, sketch Centre Angle, right-angled Base, square-based Reflect, reflection	Radius, diameter Congruent Axis of symmetry, reflective symmetry	Circumference, concentric arc Net, open, closed Intersecting, intersection Plane
2D shape	2D Corner, side Rectangle (including square) Circle triangle	Point, pointed	Rectangular Circular Triangular Pentagon Hexagon Octagon Quadrilateral Semi-circle Vertices Vertex	Pentagonal Hexagonal Octagonal Right-angled parallel , perpendicular Equilateral triangle, isosceles, scalene	Oblong Rectilinear Heptagon parallelogram , rhombus, trapezium Polygon	X-axis, y-axis, quadrant	
3D shape	3D Face, edge, vertex, vertices Cube	Cuboid cylinder	Surface	Hemisphere Prism, triangular prism	Spherical Cylindrical Tetrahedron, polyhedron	Octahedron	Dodecahedron Net, open, closed



	Pyramid Sphere cone						
Position and direction	Position Over, under Above, below Top, bottom, side On, in Outside, inside Around In front, behind Front, back Beside, next to Opposite Apart Between Middle, edge Corner Direction Left, right Up, down Forwards, backwards, sideways Across Next to, close, near, far Along, through To, from, towards, away from Movement Slide Roll	Underneath Centre Journey Quarter turn, three-quarter turn	Route Higher, lower Clockwise, anticlockwise Right angle Straight line	Compass point North, south, east, west Horizontal, vertical, diagonal Angle...is a greater.smaller angle than Acute angle Obtuse angle	North-east, north-west, south-east, south-west translate , translation Rotate Rotation Degree Reflection Set-square Angle measurer, compass	Coordinate Protractor	Reflex angle

	Turn Stretch, bend Whole turn, half turn						
STATISTICS	Count, sort Group, set list	Vote table	Tally Graph, block graph, pictogram Represent Label, title Most popular, most common Least popular, least common	Chart, bar chart, frequency table Carroll diagram, Venn diagram Axis, axes Diagram	Survey, questionnaire, data	Database Bar, line chart maximum/mini mum value Outcome	Mean (mode, median, range as estimates for this) Statistics, distribution
GENERAL	Pattern Puzzle What could we try next? How did you work it out? Recognise Describe Draw Compare Sort	Problem, problem solving Mental, mentally Explain your thinking	Show how you... Explain your method Describe the pattern Describe the rule Investigate Mental calculation Written calculation	Greatest value, least value Statement	Justify Make a statement	Explain your reasoning	