Maths vocabulary progression – EYFS to Year 6
Vocabulary for numbers, place value and four rules of calculation.

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
EYFS	zero number one, two, three … to twenty and beyond teens numbers, eleven, twelve … twenty first, second, third… twentieth count, count (up) to, count on (from, to), count back (from, to) count in ones, twos, fives, tens (Exceeding) is the same as more, less odd, even few pattern pair	ones the same number as, as many as more, larger, bigger, greater fewer, smaller, less fewest, smallest, least most, biggest, largest, greatest one more, ten more one less, ten less compare last, last but one before, after next between guess how many …? about the same as just over, just under too many, too few enough, not enough teens balance equal	number sentence add, more, and make total altogether double one more how many more to make …? how many more is … than …? how much more is …? equals balances	number sentence take away how many are left/left over? how many have gone? one less how many fewer is … than …? how much less is …? difference between equals balances	double doubling sets of pairs number patterns objects groups count in twos, fives and tens (Exceeding)	half of halving share between sharing equal groups sets count in twos, fives and tens (Exceeding)

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
Year 1	twenty-one, twenty-two … one hundred numeral thirty	digit number/ numeral same tens and ones more than/less than	Add + addition sum total	how many more? leave how many left? two less ten less	multiplication multiplied by multiply lots of groups of	share into division dividing grouping count back

	forty fifty sixty seventy eighty ninety (one) hundred	less most/least count from … count in …. forwards/backwards number pattern odd even equal sign = greater than/ smaller than fewer/ fewest largest smallest least equal to many number bonds/pairs missing numbers estimate ordinal cardinal nearly close to	altogether double one more two (ten) more plus equals near double is the same as number bonds/pairs missing number count up	how many fewer minus subtract subtraction count up count back	scaling twice times as … array multiple count up	unequal equal

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
Year 2	two hundred … one thousand count on in 3s, tally twenty-first, twenty-second …	greater than, > less than, < equal (to), = column partition most/greatest number pattern equivalent to	increase tens boundary commutative partition fact family regrouping partitioning bridging	difference between equals is the same as minus order exchanging partition	times table multiplication row column fact family odd even commutative	array row column fact family inverse divide, divided by, divided into left, left over

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
		multiple of	empty box inverse ten more number bonds for 20 number bonds within 20 check	ten less check inverse	multiplication fact multiplication table repeated addition multiple of 2 multiple of 5 multiple of 10 multiply	repeated subtraction

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
Year 3	ones tens hundreds thousand three digit number tenths	exact position estimate decimal approximate descending ascending integer round represent ascending descending	100 more increase column digit columnar column addition mental method formal method adjusting estimate written method boundary adjust near double combine rounding empty box	100 less decrease exchanging number sentence calculate column subtraction estimate mental method formal method fact family adjust empty box	missing number scaling multiplied by … times larger/smaller product times table facts fact family partition grid empty box	missing number times table remainder partition fact family inverse operation empty box

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
Year 4	1 I 2 II 3 III 4 IV 5 V	Roman Numerals round negative convert positive	decimal addition	decimal subtraction	factor factor pair compact method short multiplication	quotient divisor dividend factors

	6 VI 7 VII 8 VIII 9 IX 10 X 50 L 100 C 500 D 1000 M 4 digit number thousand ten thousand hundred thousand hundredths	factor factor pair multiple				

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
Year 5	millions thousandths 5 and 6 digit number mixed number decimal fraction square number cube number prime number composite number decimals with 2 and 3 decimal places	prime common factor common multiple squared cubed integer decimal improper fraction mixed number percentage %	approximate	approximate	prime number composite number multiple common factor common multiple square number cube number squared, cubed long multiplication expanded method multiplier	compact short scale down test of divisibility

	Numbers	Place Value	Addition	Subtraction	Multiplication	Division
Year 6	millions billions	sequence pattern term	formula term order of	formula term order of	approximate formula term	brackets balance order of

		first term etc. rule proportion ratio power digital root	operations precedence mean brackets average	operations precedence brackets	order of operations precedence brackets	operations precedence

Vocabulary for Algebra

Year 6	formulae linear sequence express unknowns	equations equivalent expression number pattern express	generate symbols variables

Vocabulary for Fractions, Decimals and Percentages

	Fractions	Decimals	Percentages	Ratio and proportion
EYFS	Share			
Year 1	half two quarters, quarter, three quarters equal parts equal groups quantity object one whole			
Year 2	third equivalence			
Year 3	fifth, sixth, seventh, eighth, ninth, tenth two thirds tenths divided by ten unit fraction	Decimal point		

	numerator denominator equivalent fraction discrete set diagram add/subtract within one whole			
Year 4	hundredth divided by 100 non- unit fraction common equivalent fractions	decimal equivalent decimal places rounding		
Year 5	improper fraction mixed number proper fractions thousandths convert	decimal fraction nearest whole number	per cent symbol % number of parts per hundred percentage percentage equivalent	
Year 6	simplest form	simplest form		relative size quantity scale factor comparison ratio/ proportion unequal sharing/grouping similar shapes

Vocabulary for Geometry

	2-D shape	3-D shape	Position and direction	Angles	Coordinates
EYFS	square circle rectangle triangle side	cube cuboid sphere pyramid	in front behind on top of under above below next to		
Year 1	pentagon hexagon edge	cylinder square based pyramid	underneath orientation left	turn whole turn half a turn	

	corner pattern sort	triangular based pyramid face sort	right	quarter of a turn three quarters of a turn	
Year 2	vertices heptagon nonagon octagon decagon semi-circle line of symmetry vertical line reflection symmetry compare	vertices edges prism surface compare	clockwise anticlockwise rotation	right angle 90 degrees	
Year 3	perpendicular line parallel line polygon diagonal axis of symmetry regular / irregular	nets base dimensions polyhedron	orientation horizontal line vertical line	greater than less than protractor	
Year 4	geometric shapes quadrilateral tetragon (4 sided shape) trigon (3 sided shape) kite trapezium rhombus (lozenge) parallelogram isosceles triangle scalene triangle equilateral triangle dodecagon hendecagon dissect classify		translation congruent oblique	acute obtuse degrees	first quadrant coordinate points

	breadth width				
Year 5	regular polygon irregular polygon bisect congruent dimension quindecagon rotational symmetry		adjacent intersection rotational on a line	reflex base angles interior exterior	
Year 6	radius diameter circumference		enlargement equidistant at a point vertically opposite		fourth quadrants positive negative

Vocabulary for Measures

	Money	Time	Length and height	Weight and mass	Volume and capacity	Area and perimeter
EYFS	coin note one pence	quicker slower before after next first today morning afternoon evening clock Monday Tuesday Wednesday Thursday Friday Saturday	long short tall/short longest shortest	heavy light	full empty more less	

		Sunday				
Year 1	pound pence 2p, 5p, 10p	long hand short hand hour o'clock half past half hour months of the year quicker than slower than quickest quicker than slower than slowest tomorrow yesterday day week month year minute second calendar chronological order tell the time	longer than shorter than taller than smaller than double/half ruler tape measure metre stick trundle wheel scale	heavier than lighter than hot cold hotter than colder than temperature thermometer scales scale	half full half empty more than less than quarter half jug measuring cylinder scale	
Year 2	20p, 50p, £1, £2, £5, £10 total cost change	minute hand hour hand quarter past quarter to 5 past, 10 past, 20 past, 25 past 5 to, 10 to, 20 to, 25 to	standard unit cm metre half a metre quarter of a metre estimate measure length	standard unit kilogram half a kilogram quarter of a kilogram grams degrees positive/negative estimate	standard unit litre half a litre quarter of a litre estimate measure millilitre measuring vessel	

		24 hours in a day		measure		
Year 3	decimal notation of money	12 hour 24 hour decade leap year century noon midnight am pm Roman numerals Estimate duration	metric millimetre kilometre perimeter breadth width convert	metric convert difference	metric convert	centimetre perimeter millimetre metre
Year 4		analogue digital 24 hour				area square centimetres rectilinear shape counting
Year 5			imperial inches feet approximate	imperial pounds ounces stones approximate	imperial pints approximate cuboids cubic centimetres	standard units square metres compound area
Year 6			miles		formulae cubic kilometres cubic millimetres	formulae

Vocabulary for Statistics

EYFS	chart tally
Year 1	tally chart pictogram sort

Maths vocabulary progression – EYFS to Year 6

Year 2	block graph/bar charts Venn diagram Carroll diagram table category total compare scale calendar How many more? How many fewer?
Year 3	axis interpret key subset timetable information graph
Year 4	discrete data continuous data time graphs comparison sum difference
Year 5	frequency chart line graph
Year 6	mean, average median, mode pie chart scatter graph

Common words and Phrases within Problem Solving.

Approximately, accurately, calculate, check, correct, difference, efficient, equal, equally, equivalent, explain how you know, inverse operation, make an estimate, missing, not to scale, show your workings, to the nearest one decimal point

All of these words are used in a range of contexts however, depending on the type of problem you are asked to solve, the interpretation of the word is different.