



Mathematics Vocabulary Progression

This document is designed to assist with the teaching of mathematical vocabulary across EYFS, KS1 and KS2 and is aligned with the White Rose schemes of learning, which we follow to ensure progression across the key stages. This document identifies in which year group vocabulary should be explicitly taught and introduced. However, language should be revisited in subsequent year groups to ensure children are consolidating their understanding. Some vocabulary might be introduced earlier (shapes for instance) if necessary or as part of an activity, however this document ensures coverage is progressive.

Number and Place Value	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	one more/one less place order number count Numbers up to twenty number line pictorial answer equals equal to read write count subitise order/ordinal compare forwards/backwards more than/less than (fewer) is the same as more/less odd/even few pattern pair	<i>Same as EYFS, plus:</i> forwards/backwards numerals words multiple of equal to fewer most least many Identify represent digit calculate pattern numbers up to one hundred sort represent multiples partitioning ones tens halfway between above/below	<i>Same as previous year groups, plus:</i> two- digit estimate place Value solve problems greater than/Less than nearest ten number facts partition zero compare determine value count in steps count in multiples estimate exchange rule sequence represents	<i>Same as previous year groups, plus:</i> hundreds three-digit roman numeral numbers up to one thousand ascending/descending 10 or 100 more 10 or 100 less factor of relationship	<i>Same as previous year groups, plus:</i> thousands four- digit Negative number 1000 more/1000 less decimal decimal place rounding round place holder nearest ten nearest hundred Nearest thousand one place whole number Integer tenths hundredths	<i>Same as previous year groups, plus:</i> ten thousands hundred thousands millions context Decimal equivalents two decimal places hundredths thousandths numbers up to one million powers of integer factor pair greater than, less than or equal to square number prime number ascending/descending order	<i>Same as previous year groups, plus:</i> intervals across zero three decimal places ten thousandths numbers up to ten million ten millions digit total factorise prime factor

Addition and Subtraction	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	add plus altogether total take away/minus number bonds part whole digit add/addition subtract/subtra ction number number line single digit count on count back cnswer doubling halving numbers to twenty check	<i>Same as EYFS, plus:</i> difference equals facts problems missing number problems 2-digit number 1 step problem concrete object pictorial representation equals mental mentally	<i>Same as previous year groups, plus:</i> sum 3-digit number commutative inverse relationship calculation solve operation Method near doubles half/halves 100 more/100 less tens boundary	<i>Same as previous year groups, plus:</i> column addition column subtraction exchange estimate hundreds boundary	<i>Same as previous year groups, plus:</i> 4-digit number operations methods 2 step problems	<i>Same as previous year groups, plus:</i> multi-step problems	<i>Same as previous year groups, plus:</i>

Multiplication and Division	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	double doubling half halving twice as many equal unequal share sharing group odd even number pattern	<i>Same as EYFS, plus:</i> multiplication division multiply divide arrays	<i>Same as previous year groups, plus:</i> multiplication facts division facts multiplication tables commutative repeated addition share equally repeated division	<i>Same as previous year groups, plus:</i> exchange mathematical statements missing number problems integer correspondence problems	<i>Same as previous year groups, plus:</i> factor pairs formal written layout distributive law remainders derived facts factors factor pairs scaling problems	<i>Same as previous year groups, plus:</i> multiples prime numbers square numbers cube numbers short division product dividend divisor quotient operations	<i>Same as previous year groups, plus:</i> multi-digit numbers long division

Fractions, Decimals and Percentages	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		fraction whole half quarter equal parts quantity	three quarters third equivalent fractions unit fractions non unit fractions numerator denominator one whole	tenths compare order add/subtract	decimal equivalence hundredths convert proper fractions improper fractions decimal point	fifth thousandths mixed numbers Per cent % factors integer complements	common factors Common multiples decimal fraction equivalents simplest form

Measurement (Money)	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
	money coins notes pounds £ pence p	value change					

Measurement (Time)	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	time quicker slower earlier later before after first next today yesterday tomorrow morning afternoon evening day week hour minutes	<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		chronological order days of the week months of the year month year o'clock half past second	intervals of time quarter past/to duration	analogue clock roman numerals 12-hour clock 24-hour clock a.m./p.m. noon midnight leap year digital duration time taken nearest minute seconds	convert		

Measurement (Measure and Length)	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	measure wide(er) narrow(er) compare long(er)(est) short(er)(est) length	<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		compare	standard units estimate order record results centimetre (cm) metre (m) ruler	millimetre (mm) perimeter	kilometres (km) rectilinear figure area	scaling metric units imperial units inches square centimetres (cm ²) square metres (m ²)	conversion miles formulae feet

Measurement (Height, Weight and Capacity)	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	height long(er)/short(er) tall(er)/short(er) weight capacity heavy/light heavier than lighter than big/bigger/biggest full/empty more than less than half/half full	<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		mass volume	kilogram kg gram g quarter full three quarters full litres l millilitres ml measuring vessels scales units			cubic centimetre pounds pints	cubic metre cubic millimetre cubic kilometre gallons stones ounces

Geometry (Properties of Shape)

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2D shapes rectangle square circle triangle characteristics 3D shapes cuboids cubes cone sphere curved straight flat triangle Sides straight side curved side	<i>Same as EYFS, plus:</i> sides corners properties pyramids faces Two Dimensional Three Dimensional pyramid	<i>Same as previous year groups, plus:</i> pentagon hexagon octagon line of symmetry properties cylinder edges vertices vertex circular triangular rectangular	<i>Same as previous year groups, plus:</i> right-angle triangle heptagon polygon properties prism hemi-sphere Semi-circle pentagonal hexagonal octagonal quadrilaterals angles acute angle obtuse angle right angles greater than a right angle less than a right angle horizontal lines vertical lines perpendicular lines parallel lines	<i>Same as previous year groups, plus:</i> isosceles equilateral scalene trapezium rhombus parallelogram kite geometric shapes quadrilaterals oblong heptagon tetrahedron polyhedron regular irregular square based concave/convex lines of symmetry classify geometric shapes	<i>Same as previous year groups, plus:</i> octahedron regular polygon irregular polygon reflex angles degrees angles on a straight line angles around a point vertically opposite missing angles congruent axis of symmetry reflective symmetry compound shape composite shape irregular shapes	<i>Same as previous year groups, plus:</i> dodecahedron trapezium radius diameter circumference concentric arc tangram intersecting dimensions nets

Geometry (Position and Direction)	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	over under between around through on into next to behind beneath order repeat patterns on top of	<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
		position direction movement whole turn quarter turn half turn three-quarter turn	clockwise/ anti-clockwise straight line rotation arrange sequences		co-ordinates first quadrant grid translate translation plot polygon axis x- axis y-axis spaces unit point	reflection	four quadrants co-ordinate plane

Ratio and Proportion	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
							ratio proportion size quantity relative size missing values integer multiplication percentages scale factor unequal sharing & grouping

Algebra	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		<i>Same as EYFS, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>	<i>Same as previous year groups, plus:</i>
							formulae linear number sequences algebraically equation unknowns combinations variables