



Progression in Mathematical vocabulary



Outlined in this document is the key vocabulary associated with the main areas of mathematics in each year group. This is not an exhaustive list but an outline of the most important words and phrases.

The vocabulary for each year group is the NEW vocabulary children will need to understand. It is important that vocabulary from earlier years is also included within planning and lessons.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number and Place Value	Zero Numbers to 10. Verbally count beyond 20 How many? Is the same as... More/less Count, count up to, count on, count back Greater than Less than Same as Odd/even Represent	Numeral Numbers to 100. Equal to Ones, tens digit value greater than > less than < Most/least fewer/fewest order smallest compare	Numbers to 100 Hundreds One/two/three - digit number place value partition exchange	Numbers to 1000 estimate Roman numerals	Roman numerals to 100 thousands rounding step integer positive/negative minus negative numbers descending ascending	ten thousands hundred thousands million square number prime number	

Addition and Subtraction	Number bonds Double	group part-whole model number sentence plus whole part altogether how many in total add addition count on count back subtract subtraction takeaway difference how many left number bond fact family	10 more/less partition calculate mentally tens ones exchange column method sum inverse estimate	100 more/less			
Multiplication and division	Halving Doubling Sharing	Equal groups Multiplication, multiply Row Column Array Twice Share	multiplication (x) times divide (÷) even odd times table grouping sharing	multiple approximately multiplication sentence repeated addition division statement times-table remainder division fact	commutative factor partition	product prime number composite number square number cube number inverse operation square (²) cube (³) prime factor	long division order of operations brackets indices common factor common multiple

Fractions	half	half halves quarter	whole equal equal parts $\frac{1}{2}$ fraction denominator fraction numerator $\frac{1}{4}$ third ($\frac{1}{3}$) unit fraction non-unit fraction equivalent	tenth interval mixed number whole number equivalent fraction	hundredth simplest fraction simplify improper fraction fraction of an amount	common denominator	common factor highest common factor lowest common multiple (LCM) lowest common denominator
Decimals					tens ones decimal point tenths hundredths whole number rounding	thousandth one decimal place two decimal places	recurring decimal
Percentages						per cent (%) percentage	equivalent tenth hundredth percentage increase percentage decrease

Ratio & Proportion							ratio proportion part whole scale scale factor similar notation
Algebra							sequence rule term algebra expression calculation formula substitute generalise operation calculate equation inverse solution
Money	Money Buy/sell Spend/spent Pay	pound pence coin note pence (p)	£ change	total convert	cheaper more expensive notation total under estimate over estimate		

Time	quick, quicker, quickest, quickly, slow, slower, slowest, slowly old, older, oldest new, newer, newest	Days of the week Months of the Year before after yesterday, today tomorrow morning, afternoon, evening day week slower faster month year calendar date minute hand hour hand o'clock half past second minute hour	quarter past quarter to duration nearest 5 minutes	digital analogue ante meridiem (am) post meridiem (pm) midnight midday consecutive nearest minute	24 hour clock Unit of time		
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Measures	High/low Wide/narrow Thick/thin Balance Scales	Long/longer/longest Short/shorter/shortest Tall/taller/tallest length height measure distance ruler centimetre heavier/heaviest lighter/lightest full empty weigh estimate	metre (m) metre stick width mass heavier than lighter than gram (g) hundreds kilogram (kg) volume millilitre (ml) litre (l) temperature degrees Celsius ($^{\circ}\text{C}$) thermometer	m cm millimetre (mm) perimeter scale interval		'kilo' 'milli' inch (in) foot (ft) imperial unit yard (yd) pound (lb) ounce (oz) stone (st) pint gallon	conversion table conversion graph
Area, Perimeter & Volume					rectilinear shape around area space unit length width	square centimetre (cm^2) square metre (m^2) volume unit cube	compound shape cubic centimetre (cm^3) formula

2D & 3D shapes	Shape Pattern Flat Round Sort 2D/3D	3D cube cuboid sphere pyramid cylinder cone 2D circle triangle square rectangle face repeated	quadrilateral polygon pentagon hexagon vertex vertices line of symmetry symmetrical octagon hemisphere curved surface edge prism	triangular prism square-based pyramid quadrilateral kite trapezium rhombus parallelogram	regular irregular isosceles scalene equilateral reflective symmetry interior angle	orientation top view plan view side view	radius concentric diameter circumference net tetrahedron scaling
Angles & lines				right angle perpendicular acute obtuse horizontal vertical parallel		degree ° protractor reflex angle	vertically opposite angles
Position & direction	Over/under On/in Outside/inside around	turn half turn quarter turn three-quarter turn whole turn left/right forwards/backwards above/below top/middle/bottom up/down	anticlockwise clockwise		grid coordinates point plot position	mirror line translation	quadrant reflect translate

Statistics			tally chart pictogram key	bar chart vertical axis scale scale table row column	data line graph more than (>) greatest smallest continuous data compare	two-way table dual line graph scale axis/axes	average mean pie chart segment
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