

Our Progression in Mathematical Vocabulary

NUMBER: Vocabulary Progression:

- Using **correct mathematical language** is crucial for thinking, learning and communicating mathematically.
- We encourage children to explain **what they are doing** and **why they are doing it**.
- When children are first introduced to new vocabulary, it is **not essential** that children remember these words - but this modelling will help them become **familiar with the terms**, gradually beginning to use them accurately and with understanding in later years.

NUMBER VOCABULARY PROGRESSION		EYFS	KS1		KS2			
		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
	Place Value	ones/tens/digit the same number as as many as more/larger/bigger/greater fewer/smaller/less most/biggest/larges/greatest compare/order first, second, third... last/last but one before/after/next/between	equal to half-way between above/below one more/ten more one less/ten less	place value stands for represents exchange	one hundred more one hundred less	one thousand more one thousand less		
	Number	zero, one, two..twenty number How many ...? count (up) to, count on (from, to), count back (from, to) is the same as more/less few	twenty-one - one hundred numeral forwards/backwards odd/even equal to equivalent to most/least multiple of	two hundred - one thousand Tally Sequence/Continue Predict Rule > Greater than < Less than	Factor of Relationship Roman Numerals	ten thousand - hundred thousand - million next consecutive integer positive/negative above/below zero negative numbers	factor pair ≥ greater than/equal to ≤ less than/equal to formula divisibility square number prime number ascending/ descending order	factorise prime factor digit total



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		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
	Addition	add/more/and make/sum/total altogether One more, two more ...	addition near double equals is the same as number bonds/pairs ten more	one hundred more number facts tens boundary	Hundreds boundary	inverse	Ones boundary Tenths boundary	
	Subtraction	How many more to make ..? How many more is..than.? Take away How many are left over? How many have gone? One less, two less…. How much less/fewer is ...?	half, halve subtract equals is the same as number bonds/pairs missing number ten more/less	one hundred more/less number facts tens boundary	Hundreds boundary	inverse	Ones boundary Tenths boundary	
	Multiplication	doubling number patterns	multiplication multiply multiplied by multiple grouping array	groups of times once, twice,... ten times repeated addition group in pairs/three/tens equal groups of row/column multiplication table multiplication/division fact	factor product	inverse square/squared cube/cubed		
	Division	sharing halving number patterns	division dividing grouping array	repeated addition divide/divide by share equally left/left over one/two/three/ten each group in pairs/three/tens equal groups of	factor product remainder	inverse square/squared cube/cubed		



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		EYFS	KS1		KS2			
		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
NUMBER	Fractions	parts of a whole half quarter	fraction equal part equal grouping equal sharing one of two equal parts one of four equal parts	equivalent fraction mixed number numerator/denominator two halves two quarters/three quarters one third/two thirds one of three equal parts	sixths sevenths eighths tenths	hundredths decimal decimal fraction decimal point decimal place decimal equivalent proportion	proper fraction. improper fraction equivalent. reduced to cancel thousandths for every percentage, per cent (%)	ratio
	Algebra							formula formulae equation unknown variable

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		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
	Length	metre length height width/depth long/short tall/high/low wide/narrow thick/thin longer/shorter, taller/higher longest/shortest tallest/highest	centimetre ruler metre stick	Further furthest tape measure	millimetre kilometre mile distance apart/between to/from perimeter	breadth edge area covers square centimetre cm^2	square metre (m^2) square millimetre (mm^2)	yard foot feet. inch inches circumference
	Weight	weigh balances heavy/light heavier than lighter than heaviest/lightest scales	kilogram half kilogram	gram		Mass: big/bigger/small smaller weight: heavy/light/ weight: heavier/lighter weight: heaviest/lightest		tonne pound ounce
	Capacity	full empty half full container holds	litre half litre capacity. volume more than/less than quarter full	millilitre contains		Measuring cylinder	pint gallon	centilitre. cubic centimetres(cm^3), cubic metres (m^3), cubic millimetres (mm^3), cubic kilometres (km^3)



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MEASURE VOCABULARY PROGRESSION		EYFS	KS1		KS2			
		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
	Temp			temperature degree	centigrade			
	Money	money coin penny/pence/pound price/cost buy/sell spend/spent pay	change dear/costs more cheap/costs less cheaper costs the same as how much ...? how many ...? total	bought sold			discount currency	profit loss
	Time	time days of the week day/week birthday/holiday morning/afternoon/evening, night bedtime/dinner 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/takes less time hour /o'clock/clock watch hands	weekend month/year months of the year seasons/date spring/summer/autumn/winter earlier/later midnight how long ago? how long will it be to ..? how long will it take to.? how often? always/never often/sometimes/usually once/twice half/quarter past quarter to clock face/hour/minute hand hours/minutes	Fortnight. 5/10/15..minutes past digital/analogue clock/watch timer seconds	century calendar earliest. latest a.m./p.m. Roman numerals 12-hour clock time 24-hour clock time	leap year century millennium noon date of birth timetable arrive. depart		Greenwich Mean Time. British Summer Time. Internation al Date Line



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GEOMETRY: Vocabulary Progression:

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GEOMETRY VOCABULARY PROGRESSION		EYFS	KS1		KS2			
		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
	Shape	shape pattern flat/curved/straight round hollow/solid make/build/draw size symmetrical pattern repeating pattern match corner/side rectangle square. circle triangle cube pyramid sphere	symmetry symmetrical pattern. point pointed cylinder cuboid	line symmetry surface circular rectangular triangular pentagon hexagon octagon	perimeter pentagonal hexagonal octagonal quadrilateral right-angled parallel perpendicular hemisphere prism. triangular prism	Angle/right-angled base/square-based reflect/reflection regular/irregular 2-D/two-dimensional oblong/rectilinear equilateral/isosceles/ scalene triangle heptagon parallelogram rhombus trapezium polygon 3-D three-dimensional spherical cylindrical tetrahedron polyhedron	Radius diameter congruent. axis of symmetry reflective symmetry x-axis/y-axis. quadrant octahedron	circumference concentric arc net intersecting intersection plane. kite dodecahedron



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GEOMETRY VOCABULARY PROGRESSION		EYFS	KS1		KS2			
		YR R	YR 1	YR 2	YR 3	YR 4	YR 5	YR 6
	Position/Direction	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 slide/roll/turn stretch/bend whole turn/half turn	underneath centre journey quarter turn, three- quarter turn	route higher/lower. clockwise. anti- clockwise. right angle. straight line	compass point north/south/east/west N/S/E/W horizontal/vertical diagonal angle ...is a greater angle than.... ....is a smaller angle than.... acute angle obtuse angle	north-east north-west south-east south- west NE/NW/SE/SW translate translation rotate rotation degree reflection ruler set square angle measurer compass	coordinate protractor	reflex angle
	Statistics	count sort group set list	table vote	Tally/graph block graph pictogram represent label/title most/least popular most/least common	chart bar chart frequency table Carroll diagram Venn diagram axis/axes	survey questionnaire data	data base bar line chart line graph maximum value outcome minimum value outcome	pie chart mean mode median statistics distribution