

## Vocabulary Progression

### Place Value

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
1, 2, 3, 4, 5, one, two, three, four, five number count, count forwards, count backwards how many, total, altogether five frame, same, different next, after, arrange  equal less than, fewer than, greater than, more than match represent sort order, compare number track	sort groups represent one more one less count on count back count up smallest most greatest fewer fewest pattern less than (<) greater than (>) equal to (=) <b>number line</b> group part whole number sentence <b>part-whole model</b> <b>in total</b> altogether plus ones tens order, compare	tens ones <b>place value grid</b> <b>partition</b> more fewer fewest greatest smallest <b>estimate</b> place value <b>count in multiples</b> <b>of...</b> less than (<) greater than (>) equal to (=) number sentence equation place value value intervals ten times the size 10 more 10 less	<b>Place value</b> <b>digit</b> <b>hundreds (100s)</b> tens (10s) ones (1s) place value more less greater than (>) less than (<) equal to order compare estimate <b>exchange</b> <b>ascending</b> <b>descending</b> digit multiple <b>approximately</b> <b>Gattegno chart</b> ten times the size 100 more 100 less	tens hundreds thousands partition place value number line multiples digit thousands ascending descending estimate round order multiple <b>round to the</b> <b>previous multiple</b> <b>round to the next</b> <b>multiple</b> greater than (>) less than (<)  Gattegno chart 1,000 more 1,000 less	ones (1s) tens (10s) hundreds (100s) thousands (1,000s) <b>ten thousands</b> <b>(10,000s)</b> <b>hundred thousands</b> <b>(100,000s)</b> <b>million (1,000,000)</b> more than (>) greater than less than (<) place value partition estimate ascending descending negative number <b>integer</b> ten times the size tenths <b>hundredths</b>	ones (1s) tens (10s) hundreds (100s) thousands (1,000s) <b>ten thousands</b> <b>(10,000s)</b> <b>hundred thousands</b> <b>(100,000s)</b> <b>million (1,000,000)</b> ten million more than (>) greater than less than (<) place value partition estimate ascending descending negative number <b>integer</b> ten times the size tenths <b>hundredths</b>

## Vocabulary Progression

### Addition and Subtraction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
one, two, three, four, five, 1, 2, 3, 4, 5, none, zero count, forwards, backwards, how many first, then, now one less, one more, order, fewer, take away add altogether number story, represent five frame double parts	altogether in total add added missing part count on number stories How many are left? take away subtract fact family count back parts number bonds difference how many more how many fewer how many are left 100 square one more one less greater than less than tens (10s) ones (1s)	add subtract difference sum fact family number sentence total number bonds multiples plus minus complement total tens ones subtract difference bar model represent 10 more 10 less difference subtrahend addend minuend bar model	addition subtraction mental method exchange bonds exchange column method estimate multiple sum digit approximate add subtract difference plus minus total place value place holder efficient strategy commutative	addition total subtraction more than less than column method estimate how much strategy efficient place holder accurate exact fact	add subtract ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) mentally inverse round estimate mentally inverse	add subtract ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) mentally inverse round estimate mentally inverse

## Vocabulary Progression

### Multiplication and Division

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double, equal groups, double facts, doubling more, same, different, continue, pattern, next, predict how many, altogether, count, groups, more, fewer, less, amount, represent half, halving, share, fair share, equal, each, uneven, unequal, fair, odd, even	equal groups array row column double share half unequal group odd/even (no explicit step in Y1 but to be taught in context)	equal groups multiplication (×) times (×) divide (÷) division (÷) sharing grouping groups of unequal array commutative times-table odd even bar model factors twice product	equal multiply divide multiple times-tables sharing grouping groups of array bar model factors product commutative repeated addition scaling remainder	multiple (×) divide (÷) multiplication fact division fact factor groups of times-table array product fact family related fact multiply divide times-tables remainder bar model place holder factor pair column multiplication	prime number composite number square number cube number square (x <sup>2</sup> ) cube x <sup>3</sup> lowest common factor highest common factor multiple multiply divide multiple factor place holder column multiplication short division	prime number composite number square number cube number square (x2) cube x3 lowest common multiple multiply divide multiple factor column multiplication long multiplication short division long division order of operations brackets inverse operations

## Vocabulary Progression

### Fractions, Decimals and Percentages

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions						
Half Halves equal parts	half halves quarter whole part fraction	half quarter third three quarters whole equal parts equivalent denominator numerator non-unit fraction unit fraction	equivalent numerator denominator compare add subtract fraction whole equivalent fraction greater than (>) less than (<) equal to multiply inequality statement divide set of objects	mixed number improper fraction numerator denominator fraction equivalent convert simplify simplest fraction equivalent fraction families fraction of an amount	equivalent numerator denominator whole fraction improper fraction mixed number convert order greater than (>) less than (<) is equal to (=) operators	numerator denominator common denominator common factor equivalent simplify simplest form factor highest common factor lowest common multiple (LCM) compare order improper fraction mixed number convert lowest common denominator

Decimals and percentages

				tens ones decimal point tenths hundredths 0.1 and 0.01 equivalent decimal centimetre millimetre decimal place whole number round greater than (>) less than (<) equal to (=) order compare decimal place ascending descending	decimal decimal place tenths hundredths thousandths decimal point place value digits fractions per cent (%) percentage	multiply divide decimal decimal place (dp) recurring decimal placeholder place value tenths hundredths thousandths products fraction per cent (%) percentage parts whole decimal fraction divide share multiply convert compare order equivalent fraction simplify less than (<) greater than (>)
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### Vocabulary Progression

#### Measurement

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Money		<p>pound pence coins Notes Unitise greater than (&gt;) less than (&lt;)</p>	<p>pounds (£) pence (p) coins notes change</p>	<p>pounds (£) pence (p) convert total difference change</p>	<p>notes coins pounds (£) pence (p) add subtract change total order greater than (&gt;) less than (&lt;) cheaper more expensive estimate over estimate under estimate</p>		

Time	<p>first, next, later, then before, after every day time clock face o'clock order timetable, sequence</p>	<p>before after yesterday today tomorrow day week month year calendar hour minute hand hour hand o'clock half past</p>	<p>o'clock half past quarter past quarter to minute hand hour hand hours minutes</p>	<p>numerals month year midnight midday am (ante meridiem) pm (post meridiem) duration hour minute second past to start end digital clock</p>	<p>convert compare units of time seconds minutes hours days weeks months years 12-hour 24-hour analogue digital am/pm</p>		
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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Mass and capacity</p>	<p>full, nearly full, not full, half full empty, nearly empty, half empty more, most less, least nothing, none same, equal different amount fill, pour, empty wide, wider, widest narrow, narrower, narrowest tall, thin short, fat estimate, predict measure, check compare</p>	<p>heavier, heaviest lighter, lightest capacity balance scales full empty compare weight, weigh mass balanced measure estimate</p>	<p>stance metres width distance centimetres mass balance weighing scales grams (g) kilograms (kg) litres (l) millilitres (ml) volume capacity temperature thermometer degrees Celsius (°C) estimate heavier than lighter than heaviest lightest</p>	<p>mass measure kilograms (kg) scale interval grams (g) capacity litre (l) milliliters (ml) convert capacity volume</p>		<p>mass measure kilograms (kg) scale interval grams (g) capacity litre (l) milliliters (ml) convert Imperial units metric timetables cubic centimetres volume capacity</p>	<p>cubic centimetres (cm<sup>3</sup>) cubic metres (m<sup>3</sup>) volume capacity</p>
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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Length and height / Area and perimeter</p>	<p>large/larger/largest, bigger, small/smaller longer/longest, shorter/shortest, tall/taller/tallest, further/furthest heavy/heavier/heaviest, light/lighter/lightest same, different, amount, widest, thinnest length, width, height, weight equal, the same, balanced, balance scale estimate, predict, check, measure, compare, order</p>	<p>measure length height compare short, shorter, shortest tall, taller, tallest long, longer, longest wide, wider, widest thin, thinner, thinnest</p>	<p>length <b>centimetres (cm)</b> <b>metres (m)</b> longer shorter metre stick height width compare distance</p>	<p>length height width <b>perimeter</b> distance centimetres (cm) <b>millimetres (mm)</b> metres (m) measure unit of measurement add subtract multiply equivalent convert greater than (&gt;) less than (&lt;) ruler <b>metre stick</b></p>	<p>length width perimeter distance centimetre (cm) metre (m) <b>kilometre (km)</b></p> <p><b>Area and perimeter</b> rectangle square rectilinear shape regular polygon grid</p>	<p><b>Area and perimeter</b> perimeter distance area length width polygon centimetres (cm) square centimetres (cm<sup>2</sup>) brackets metres <b>square metres (m<sup>2</sup>)</b> <b>formula</b> compare estimate 2D shape <b>Compound shape</b></p>	<p><b>Area and perimeter/ volume</b> area volume perimeter parallelogram height perpendicular width length square centimetres(cm<sup>2</sup>) square metres(m<sup>2</sup>) base estimate formula compound shape dimensions cubic centimetres (cm<sup>3</sup>) cubic metres (m<sup>3</sup>)</p>
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## Vocabulary Progression

### Geometry: Shapes

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
puzzle	3D shape	Pentagon	right angle	quadrilateral	angle	degree
triangle, square	cube	Cuboid	acute	triangle	whole turn	angle
fold/open	cuboid	Cube	obtuse	regular	right angle	obtuse
count, how many	sphere	Sphere	parallel	irregular	acute angle	acute
build	pyramid	Pyramid	perpendicular	interior angle	obtuse angle	reflex
turn	cylinder	cone	vertical	angle	degree (°)	right angle
same/different	cone	polygon	horizontal	acute	interior angle	protractor
	2D shape	prism	triangle	obtuse	clockwise	triangle
	circle	quadrilateral	quadrilateral	polygon	anticlockwise	isosceles
	triangle	hexagon	kite	right angle	parallel	isometric
	rectangle	hemisphere	trapezium	symmetric	perpendicular	equilateral
	faces	symmetry	rhombus	isosceles	regular	scalene
	pattern	symmetrical	parallelogram	scalene	irregular	regular
	square	vertex	cuboid	equilateral	top view	polygon
	repeated	vertices	triangular prism	line of symmetry	plan view	quadrilateral
		edge	square-based	reflective	side view	parallelogram
		side	pyramid	symmetry	isosceles	kite
		face	cone		equilateral	rhombus
		line of symmetry	tetrahedron		rhombus	trapezium
		curved surface	cylinder		quadrilateral	diameter
			sphere		parallelogram	radius
			edges		cylinder	circumference
			faces		prism	concentric
			vertices		pyramid	perimeter
			clockwise		net	nets
			anticlockwise			pyramid
						tetrahedron
						cylinder
						prism

						vertically opposite angles cuboid cube
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### Geometry: Position and Direction

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
in, on, below, under, above, in front of, behind, next to up, down, across, forwards, backwards	turn half turn quarter turn whole turn left right forwards backwards above below top middle bottom first second third fourth	clockwise anticlockwise forwards backwards left right middle turn half turn quarter turn three-quarter turn	clockwise anticlockwise	position horizontal vertical up down left right coordinate plot vertex vertices point grid translate y-axis x axis	reflection translation vertex vertices coordinates mirror line horizontal vertical y-axis x axis	quadrant four quadrants translate translation x-axis y-axis axis axes horizontal vertical vertex vertices reflect reflection positive negative

### Vocabulary Progression

#### Statistics

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		tally chart pictogram key table block diagram	pictogram key bar chart scale table row column vertical axis	data line graph continuous pictogram bar chart tale altogether more than compare	graph line graph table dual line graph horizontal vertical two-way table scale axis/axes vertical axis horizontal axis data plot/plotted tallies/tally timetable	mean average pie chart segments line graph bar chart percentage fraction data