



Mathematical Vocabulary Progression Document



Each year group should build on to what has been previously taught.

	Place Value	Addition and Subtraction	Multiplication and Division	Fractions
EYFS	number bonds counting on number words zero forwards backwards greater than less than same compare more fewer number line part whole represent	subitise counting on counting back one more one less add take away number bonds number stories number	double half odd even	half whole
Y1	digit compare more fewer less order greatest smallest biggest represent group correspondence ordinal number line tens ones partition part whole	number bonds number stories pictorial representation method drawing number digit words compare identify show more fewer less order greatest smallest biggest equal to part whole symbol addition subtraction subtract recall together crossing break difference fact family statement addend sum total minuend subtrahend bar model	row equal group multiply diagram quarter grouping sharing quantity object array picture double group share divide division diagram part whole bar model quantity object picture dividend divisor multiplicand product	fraction part whole quarter shape line equal grouping sharing quantity object denominator numerator
Y2	place value greatest more smallest less same equal pattern before after next	plus altogether tens ones minus left less commutative difference exchange rename partitioning reduction	times tables times altogether recall	third thirds quarter three quarters part whole piece compare order smallest least largest greatest share shaded piece altogether unit non-unit
Y3	thousands hundreds fours eights fifties descending ascending increase decrease round rounding nearest	digit column method equation solution	value groups equations total quotient array remainder scaling	hundredth tenths mixed equivalent compare form greater pairs
Y4	estimate negative integers Roman numerals represent letters symbols	compact expanded crossing strategies efficient aggregation augmentation	factor pairs partitioning partition regroup expanded compact	improper proper mixed numbers calculate quantity
Y5	millions hundred thousands ten thousands	written calculation mental strategy estimating	multiples common multiples common factors prime numbers composite numbers square numbers cubed numbers notation place holder area	convert order multiply simplify simplified integer operator divide
Y6	No new vocabulary - depth of all previous year groups.	No new vocabulary - depth of all previous year groups.	No new vocabulary - depth of all previous year groups.	No new vocabulary - depth of all previous year groups.

	Geometry: shape	Geometry: position and direction	Measure: Length, Height, Perimeter, Area	Measure: Mass, Volume & Temperature
EYFS	rectangle circle square triangle shape sides corners straight flat round	under on first next now in front of behind sequence start finish	long longer longest short shorter shortest tall taller tallest compare	full empty half full compare lighter heavier weight heavy light
Y1	2-dimensional 3-dimensional flat solid properties sides corners curved faces faces comparing colour pattern cube cylinder cuboid pyramid cone sphere	position queue second third left right quarter turn half turn three- quarters turn full turn directions forwards backwards before after top in between bottom above below	length height same measure measurement unit standard non- standard cubes ruler cm centimetres	mass object scales balance the same as equal unit non-standard measure volume capacity empty more than less than half quarter units contain guess estimate half as much overflows
Y2	Polygons vertex vertices symmetry reflection overlap line pattern sort properties faces edge patterns, repeat repetition,	No new vocabulary - depth of all previous year groups.	width metres less than greater than order problem solve	grams kilograms volume millilitres litres, temperature thermometer Celsius, hottest, hotter, coldest, colder
Y3	angle right angle acute obtuse turn full turn three quarter turn measure accuracy horizontal vertical lines parallel perpendicular	No new vocabulary - depth of all previous year groups.	perimeter equivalent calculate	No new vocabulary - depth of all previous year groups.
Y4	degrees calculate difference total isosceles scalene equilateral quadrilateral diagonal diagonally	coordinates axis plot point figure grid movement translation translate units describe vertices upwards downwards	estimate millimetres kilometres decimals converting distance units grid rectangle rectilinear shape	No new vocabulary - depth of all previous year groups.
Y5	protractor reflex trapezium rhombus	quadrant symmetry reflect reflection mirror line fold line vertical horizontal successive vertex	area squared dimensions regular polygon figure irregular compound metric imperial inches longest	space solids occupies cube cuboid cubic centimetres pints metric imperial pounds (lbs)
Y6	nets base height width shapes	clockwise anticlockwise north south east west	Base height estimate space miles	No new vocabulary - depth of all previous year groups.

	Time	Money	Statistics	Decimals and percentages
EYFS	Monday Tuesday Wednesday Thursday Friday Saturday Sunday today yesterday tomorrow day morning night afternoon	money coins notes		
Y1	time hand clock o'clock hour half past half hour next before after second minute hour quicker slower later earlier calendar days weeks months years	change how much how many total altogether add amount pence pounds equal equivalent make value more less worth bronze silver piece price		
Y2	interval quarter past quarter to compare earliest latest later	decimal point save exchange cost left	pictograms block diagrams tally charts tables frequency total information data greatest greater more than smallest smaller less than fewer represent interpret, draw	
Y3	a.m. p.m. past to analogue digital leap year duration begin end leaves arrives Roman numerals noon midday midnight stopwatch lasted behind ahead	No new vocabulary - depth of all previous year groups.	picture graph bar chart scale survey results difference	
Y4	12 hour 24 hour	round nearest estimate tenths hundredths per item approximately difference enough	represent read interpret information complete missing line graph axis intervals vertical horizontal points titles labels increase decrease popular popularity pattern duration hours minutes time time line frequency comparison sum difference	ones decimal tenth hundredth value place holder decimal place decimal point nearest whole equivalents pattern divide smaller larger quantity fractions approximately number line place value grid digit halves quarters round
Y5	timetable frequency	No new vocabulary - depth of all previous year groups.	No new vocabulary - depth of all previous year groups.	Thousandths compare greater than less than equal to order largest greatest smallest least less than round rounding per cent percentages
Y6	No new vocabulary - depth of all previous year groups.	No new vocabulary - depth of all previous year groups.	Circles radius circumference diameter centre pie charts mean average	No new vocabulary - depth of all previous year groups.

	Algebra	Ratio
Y6	algebra represent letters symbols rule apply expression substitution formulae equation solve pairs values	ratio 'for every...there are...' fractions 'out of' symbol calculate multiply divide scale factor proportion problem