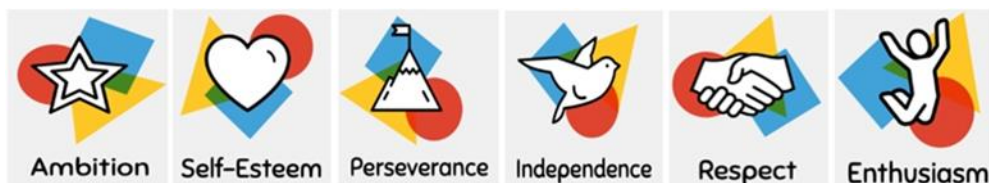# Maths Vocabulary Ladder

In year…	The vocabulary in maths is cumulative and is built upon year on year with the intention that by the end of Year 6, all children will be familiar with these words and be able to use them in context.			
Nursery	**Number and Calculation**		**Measurement**	**Geometry**
	one two three four five	more altogether how many order more / fewer than add take away	big small tall short	**SHAPE** circle rectangle square language: sides corners straight flat round **POSITION AND DIRECTION** in front of behind under on top of

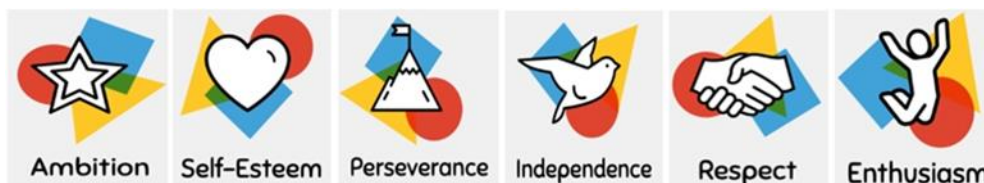|	**Number and Calculation**		**Fractions**	**Measurement**		**Geometry**	
Reception	one, two, three to twenty and beyond. none count on/up/to/ from/down before, after more less many few fewer fewest smaller smallest equal to the same as odd, even digit	number line add plus make sum total altogether equals, is the same subtract take away minus odd, even double, halve share group in pairs equal	whole equal one half	**TIME** Days of the week: Monday, Tuesday etc. Seasons: Spring, Summer, Autumn, Winter Days, week, month, year, weekend Birthday, holiday Morning, afternoon, evening, night Today, yesterday,	**CAPACITY AND MASS** Full, half, empty Holds Container Weigh, weighs, balance Heavy, heavier, heaviest, light, lighter, lightest Scales **MONEY** coin pence	**SHAPE** Sort Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square Shape Flat, curved, straight, round Solid Corner Face, side	**POSITION AND DIRECTION** Over under underneath above below top bottom, side On, in, outside, inside In front, behind Front, back Before, after Beside, next to Middle

numeral	divide		tomorrow	pound,	Up, down,
compare			Before, after,	price, cost,	forwards,
order			next,	buy, sell,	backwards.
size			last	spend,	Sideways
			Quickest,	spent, pay,	Close, far
			fastest,	change	Through
			slowest		Towards,
			Clock		away
			Once		from
			First, second,		Side, roll,
			third		turn
			Estimate		
			too many too		
			few		
			LENGTH		
			Length, height		
			Longer, longest,		
			shorter,		
			shortest,		
			taller, tallest,		
			higher, highest		

Year 1	Number and Calculation		Fractions	Measurement (time, mass, length, capacity, money)		Geometry	Statistics
Red words are non-statutory but desirable	same	first	(one) half	**TIME**	**LENGTH**	**SHAPE**	
	different	second	(one) (two))	year	long(er)(est)	**PROPERTIES**	
	count(ing)	third	three)	month	short(er)(est)	pattern	
	forwards	fourth	quarters	week	gram/g	2-D	
	backwards	(and so, on	sharing	weekend	kilogram/kg	rectangle	
	share	up to)	group (ing	day	centimetre/c	square	
	left over	nineteenth	part whole	**DAY NAMES**	m	circle	
	more (than)	twentieth	equal parts	**MONTH**	metre/m	triangle	
	less (than)	order	same size	**NAMES**	far	3-D	
	total	number	bar	night hour	distance	cube	
	fewer (than)	amount		minute second	measure	cuboid	
	equal (to)	value		morning	long(er)(est)	pyramid	
	most	size		afternoon	short(er)(est)	sphere	
	least	odd		evening		side(s)	
	sum	even		yesterday	**CAPACITY**	**POSITION &**	
	difference	numberline			volume full	**DIRECTION**	

distance between total first plus add(ition) subtract(ion) minus ones tens column(s) multiples twenty one twenty two twenty three (and so on up to) ninety nine one hundred	double halve pair how much how many larger smaller estimate compare together altogether bonds zero between above below		today tomorrow before after old(er) new(er) clock (face) o'clock half past birthday watch hour (hand) minute (hand) minutes past/to quarter past/to half past/to fast(er) quick(er) slow(er) early earlier late later **MASS** weigh weight heavy heavier (than) heaviest light lighter (than) lightest balance (weighing) scales ruler	empty more than less than half full **MONEY** coin note amount penny/p pound/£ coin values: one pence two pence Five pence ten pence twenty pence fifty pence	left right top middle bottom in front of behind between above below around near close far up down forwards backwards inside outside clockwise	

Year 2	Number and Calculation		Fractions	Measurement (time, mass, length, capacity, money)		Geometry	Statistics
Red words are non-statutory but desirable	digit numeral twenty one twenty two twenty three twenty four and so on up to ninety nine one hundred multiple commutative place value	step counting > as 'greater than' < as 'less than' partition place holder place value estimate estimation inverse array calculate multiplication division times tables	(one) (two) third(s) sharing grouping two quarters third one third two thirds equivalent 'one and a quarter' one and 2 quarters one and a half one and 3 quarters half as much twice as much numerator denominator	**TIME** analogue Five/ten/1/4 past/to clockwise anticlockwise **MASS** gram kilogram **LENGTH** height width metre centimetre millimetre	**CAPACITY** litre millilitre **TEMPERATURE** degrees Celsius thermometer **MONEY** price cost amount change	**SHAPE PROPERTIES** vertical horizontal vertices edges faces quadrilateral polygon prism cone symmetry **POSITION AND DIRECTION** straight curved rotate rotation Angle right angle	pictogram tally chart block diagram table data category(ies**)**
Year 3	Number and Calculation		Fractions	Measurement		Geometry	Statistics
Red words are non-statutory but desirable	hundreds one hundred and one one hundred and two one hundred and three and so on up to one thousand multiple(s) inverse operations integer(s) decimal(s) remainder		fifths sixths sevenths eighths ninths Tenths numerator denominator order unit-fraction non-unit fraction	millimetre perimeter roman numerals to XII am/pm duration noon midnight analogue clock digital clock		orientation degree(s) right angle perpendicular parallel horizontal vertical quadrilateral polygon polyhedron polyhedra acute obtuse reflex reflection	interpret data category(ies) scale

Ambition Self-Esteem Perseverance Independence Respect Enthusiasm

Year 4	Number and Calculation	Fractions	Measurement	Geometry		Statistics
Red words are non-statutory but desirable	thousands round rounding Roman numerals to 100 'C' negative operation factor factor pairs distributive associative derive remainder	hundredth(s) 'decimal equivalents decimal places proportion	convert conversion rectilinear area dimensions kilometre 24-hour clock	orientation degree(s) right angle perpendicular parallel horizontal vertical quadrilateral classify polygon pentagon hexagon heptagon octagon nonagon decagon polyhedron polyhedra acute	obtuse isosceles scalene equilateral parallelogram rhombus trapezium protractor regular irregular reflex coordinates quadrant plot grid translate translation axis/axes scale	label graph

Year 5	Number and Calculation	Fractions	Measurement	Geometry	Statistics
Red words are non-statutory but desirable	million(s) Roman numerals to 1000 'M' linear sequence power(s) prime complement composite prime factor square(d)2 cube(d)3 equivalence	mixed number(s) thousandths percent percentage(s)	composite metric imperial inch foot yard mile pound (lb) pint cm² cm³ m² m³	orientation degree(s) right angle perpendicular parallel diagonal horizontal vertical quadrilateral polygon polyhedron polyhedra acute obtuse reflex point	interpret data category(ies) scale

| | | | | reflection
180º
360⁰
X-axis
Y-axis | | |

Year 6	**Number and Calculation**	**Fractions**	**Measurement**	**Geometry**	**Statistics**	**Algebra & Ratio**
Red words are non-statutory but desirable	interval long division Multi-step common factors common multiples	simplify degrees of accuracy	mm3 km3 speed mph m/s km/h	quadrant(s) dissect(ion) net(s) radius diameter circumference vertically opposite complementary angles Pi quadrants	pie chart mean average data set	**Ratio and Proportion** relative size scale factor proportion ratio as a:b **Algebra** symbol letter formula(e) sequence algebraic equation unknown variable constant generalise

Ambition   Self-Esteem   Perseverance   Independence   Respect   Enthusiasm