Ashford CE Primary School

Progression in Mathematical Vocabulary Policy

Date: January 2023

Review date:

Progression in Mathematical Vocabulary

The following document lists mathematical vocabulary and phrases that children are required to understand and use as they move through the school.

It is based on the published 2014 national curriculum and lists the new vocabulary in the year in which it should be explicitly used and taught. Vocabulary from previous year's should be referred to in addition to that for each year group. The red words are non-statutory but are desirable.

Whilst the majority of vocabulary will be in here, it is not an exhaustive list.

Year 1

Number and Calculation		Fractions	Measurement		Geometry	
same	place value	(one) half	**TIME**	today	**LENGTH**	**SHAPE PROPERTIES**
different	first	(one/two/three)	year	tomorrow	**length**	Pattern
count(ing)	second	quarters	month	before	long (er) (est)	2-D
forwards	third	share	week	after	short (er) (est)	Rectangle/oblong
backwards	fourth	sharing	weekend	old(er)	ruler	circle
share	(and so on up to)	groups	day	new(er)	centimetre(cm)	square
left over	nineteenth	grouping	Monday	clock (face	metre (m)	triangle
more (than)	twentieth	part	Tuesday	) o'clock	far	3-D
less (than)	order	whole	Wednesday	half past	distance	cube
total	number	equal parts	Thursday	birthday	measure	cuboid
fewer (than)	amount	same size	Friday	watch	**CAPACITY/ VOLUME**	pyramid
equal (to)	value	bar	Saturday	hour (hand)	full	sphere
most	size		Sunday	minute (hand)	empty	side(s)
least	odd even		January	minutes past/to	more than	right
sum	numberline		February	quarter past/to	less than	top
difference	double		March	half past/to	half full	middle
distance between	halve		April	fast(er)	MONEY	bottom
total	pair		May	quick(er)	coin note amount	in front of
first	how much		June	slow(er)	penny/p pound/£	behind
plus	how many		July	early	*coin values:*	between
digit	larger		August	earlier	one pence	above
add(ition)	smaller		September	late	two pence	below
subtract(ion)	estimate		October	later	five pence	around
minus	compare		November	**MASS**	ten pence	near
ones	together		December	weigh	twenty pence	close
adding (addend/sum)	altogether		night	weight	fifty pence	far
subtraction	bonds		hour	heavy		up
(minuend/subtrahend/	zero		minute	heavier (than)		down
difference)	between		second	heaviest		forwards
tens	above		morning	light		backwards
column(s)	below		afternoon	lighter (than) lightest		inside
multiples			evening	balance		outside
twenty- one			yesterday	(weighing) scales		clockwise
twenty-two				gram (g)		
twenty -three				Kilogram (kg)		
(and so on up to 99)						
one hundred						

Year 2

Number and Calculation	Fractions	Measurement	Geometry	Statistics
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 multiplicand multiplier product division dividen times tables	third (one) (two) third(s) sharing grouping two quarters 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 fraction bar/ vinculum	**TIME** analogue five/ten/ 1/4 past/to clockwise anticlockwise **MASS** gram kilogram **LENGTH** height width metre centimetre millimetre **CAPACITY/ VOLUME** litre millilitre **TEMPERATURE** degrees celcius 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
hundreds one hundred and one one hundred and two one hundred and three *(and so on up to)* one thousand partition exchange multiple(s) inverse operations factor product multiplicand multiplier dividend divisor quotient integer decimal remainder	fifths sixths sevenths eighths ninths tenths numerator denominator fraction bar/vinculum order unit-fraction non-unit fraction like fraction	Convert **LENGTH** millimetre perimeter kilometre (km) **TIME** roman numerals to XII am/pm duration noon midnight analogue clock digital clock 12-hour clock 24-hour clock	**SHAPE PROPERTIES** orientation degree(s) right angle acute obtuse clockwise anti-clockwise reflex perpendicular parallel horizontal vertical reflection quadrilateral polygon polyhedron polyhedra	interpret data category scale key

Year 4

Number and Calculation	Fractions	Measurement	Geometry		Statistics
thousand round rounding negative Roman numerals to 100 (C) operation factor factor pairs distributive associative derive remainder	hundredth(s) decimal equivalents decimal places proportion	Convert Conversion area rectilinear dimensions kilometer 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 gird quadrant	Plot translate translation axis axes scale	label graph

Year 5

Number and Calculation	Fractions	Measurement	Geometry	Statistics
Million(s) Roman numerals to one million (M) linear sequence power (s) prime complement associative derivative	mixed number(s) thousandths percent percentages proportion	composite metric imperial inch foot yard mile cm2 cm3 m2 m3 pound pint	orientation degree(s) right angle perpendicular parallel diagonal horizontal vertical quadrilateral polygon polyhedron polyhedra acute obtuse reflex point reflection 180° 360° x-axis y-axis	Interpret data categories scale

Year 6

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