

# REDMILE MATHS VOCABULARY PROGRESSION



## Place Value

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
forwards	digit	column	hundreds	thousands	ten thousand	millions
backwards	ones	estimate	integer	positive number	hundred thousand	expanding notation
one	tens	value	nearest	negative number	power of 10	index notation
zero	number bonds	place holder	nearest 10	roman numeral	interpret	
one less	equal to	count in twos	nearest 100	rounding	linear sequence	
one more	number line	count in fives	sequence	round	approximate	
equal to	order	count in tens	three-digit number	figure	decimal place	
more than	compare	continue	ascending	four-digit number	decimal point	
less than	after	greater than >	descending	decimal		
	before	fewer than <	expanded form	negative integer		
	fewer	more than >	consecutive			
	least	less than <				
	most	equal to =				
		numeral				
		partition				
		zero				
		two-digit number				
		alternate				

## Calculations

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
	mental	calculate	method	expression	rounding	brackets
	sign	efficient	written method	equation	level of accuracy	order of operations
	symbol	operation	mental method	process	multi-step	
	part-whole	estimate				
		inverse operation				

## Addition and Subtraction

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
add	addition	commutative	regroup	columnar	accuracy	
total	subtract	inverse operation	exchange	strategy	approximate	
altogether	subtraction	sum	column addition		multi-step	
take away	equal	operation	column subtraction			
whole	equal to	bridging ten	estimate			
number	put together	check	increase			
more than	distance between	partition	decrease			
less than	difference between	calculate				
	fewer than	method				
	answer	multiple				
	count	part				
	record	whole				
	plus					

## Multiplication and Division

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
equal	array	commutative	product	factor	common factors	long division
unequal	repeated addition	multiply	divisor	factor pairs	prime numbers	common multiple
share	repeated subtraction	divide	dividend	distributive	prime factors	interpret
group	even number	multiple	divisible	remainder	composite	
odd	odd number	calculate			long multiplication	
even		multiplication			square number	
		times tables			cube number	
					square root	
					cube root	
					express	
					non-integer	

## Fractions, Decimals, Percentages

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
	half	numerator	tenths	hundredths	thousandths	denomination
	quarter	denominator	operator	improper fraction	percentage	simplest form
	fraction	unit fraction	decimal	mixed number	express	recurring
	whole	non-unit fraction	fifths	proper fraction		
	part	equivalent	sixths	simplify		
		third	sevenths	proportion		
			eighths	decimal place		
			ninths			

## Statistics

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
		interpret	bar chart	discrete	two-way table	pie chart
		construct	scale	continuous	timetable	mean
		pictogram	carroll diagram	label		average
		tally chart		time graph		variables
		block diagram		line graph		data set
		table				
		category				
		data				
		chart				
		venn diagram				

## Measurement

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
measure	longer	metre (m)	millilitres (mm)	kilometre (km)	metric	miles
heavy	shorter	centimetre (cm)	perimeter	rectilinear	imperial	formulae
light	taller	gram (g)	leap year	convert	inch	speed
long	double	kilogram (kg)	duration	conversion	pound (lb)	conversion graph
short	half	litres (l)	analogue	area	pint	miles per hour (mph)
tall	length	degrees celsius	digital	dimension	square centimetre	kilometre per hour (kmph)
slower	height	millilitres (ml)	chronological	12-hour	square metre	
quicker	mass	scale		24-hour	regular	
today	weight	thermometer			irregular	
tomorrow	heavier	pound (£)			volume	
week	lighter	pence (p)			composite	
month	capacity	intervals				
year		change				
morning		clockwise				
afternoon		anti-clockwise				
evening		width				
night						
day						

## Position and Direction

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
top	whole turn	pattern		coordinates	reflection	Intersect
middle	left	sequence		quadrant	describe	origin
bottom	right	rotation		plot	similar	
on top of	direction	clockwise		translation	transformation	
in front of	half turn	straight		point		
above	quarter turn	curved		axis/ axes		
between				grid		
around				x-axis		
near				y-axis		
close						
far						
up						
down						
inside						
outside						
turn						

## Properties of Shapes

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
2D	two-dimensional	side	angle	geometric	internal angle	dimensions
3D	three-dimensional	line of symmetry	acute	equilateral	external angle	nets
square	cuboid	symmetry	obtuse	isosceles	reflex	radius
rectangle	properties	edge	parallel	scalene	interior	diameter
circle	pyramid	face	perpendicular	kite	exterior	circumference
triangle	corners	vertices	vertical	parallelogram	protractor	centre
side		surface	horizontal	rhombus		vertically opposite
cone		property	right-angle	symmetrical		dissect
cube		quadrilateral	square-based pyramid	asymmetrical		complementary angles
sphere		hexagon	triangular-based pyramid	degrees		
		heptagon	decagon	regular		
		octagon		irregular		
		pentagon		classify		
		prism		diagonal		
		polygon				



## Algebra

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
						formula
						formulae
						sequence
						unknowns
						variables
						represent
						solve

## Ratio and Proportion

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
						relative size
						scale
						scale factor
						ratio as a:b
						enlarge
						ratio
						proportion
						percentage