

## Maths Medium Term Plan Year 5

	Week 1 Week 2 Week 3	Week 4 Week 5	Week 6 Week 7	Week 8 Week 9	Week 10 Week 11	Week 12
	Number and Place Value	Addition and	Statistics	Number: Multiplication and	Measurement: Area	
	read, write, order and compare	subtraction	♣solve comparison, sum and difference problems using	Division	and Perimeter	
	numbers to at least 1 000 000 and	add and subtract		multiply and divide	measure and	
	determine the value of each digit	whole numbers with		numbers mentally drawing	calculate the perimeter	
	count forwards or backwards in	more than 4 digits,	information	upon known facts	of composite rectilinear	
	steps of powers of 10 for any given	including using formal	presented in a line	♣multiply by 10,100 and	shapes in centimetres	
	number up to 1 000 000	written methods	graph	1000	and metres	
	interpret negative numbers in	(columnar addition and	♣ complete, read	♣identify multiples and	♣ calculate and	
	context, count forwards and	subtraction)	and interpret	factors, including finding all	compare the area of	
	backwards with positive and negative	♣ add and subtract	information in tables,	factor pairs of a number,	rectangles (including	
	whole numbers, including through	numbers mentally with	including timetables	and common factors of two	squares), and including	
	zero	increasingly large numbers		numbers	using standard units, square centimetres	
	* round any number up to 1 000 000	♣ use rounding to		♣ know and use the	(cm²) and square	
	to the nearest 10, 100, 1000, 10 000 and 100 000	check answers to		vocabulary of prime numbers, prime factors and	metres (m²) and	
	<ul><li>solve number problems and</li></ul>	calculations and		composite (nonprime)	estimate the area of	
	practical problems that involve all of	determine, in the		numbers	irregular shapes.	
<b>=</b>	the above	context of a problem,		<ul><li>establish whether a</li></ul>	an og anon orrespond	
Ξ	* read Roman numerals to 1000 (M)	levels of accuracy		number up to 100 is prime		
Autumn	and recognise years written in Roman	solve addition and		and recall prime numbers		
	numerals.	subtraction multi-step		up to 19		
		problems in contexts,		* recognise and use square		
		deciding which		numbers and cube		
		operations and		numbers, and the notation		
		methods to use and		for squared (2) and cubed		
		why.		(3)		
				solve problems involving		
				multiplication and division		
				including using their		
				knowledge of factors and		
				multiples, squares and		
				cubes		uo
				* solve problems involving		Consolidation
				multiplication and division,		jij
				including scaling by simple		Su
				fractions and problems		ි ි
				involving simple rates.		



## Maths Medium Term Plan Year 5

Number: Multiplication and Division

- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- multiply and divide numbers mentally drawing upon known facts
- ♣ divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- \* solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

Number: Fractions

- \*compare and order fractions whose denominators are all multiples of the same number
- ♣ identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths \* recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5] = 6/5 = 1 1/51
- add and subtract fractions with the same denominator and denominators that are multiples of the same number
- multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- \* read and write decimal numbers as fractions [for example, 0.71 = 71/100]
- \* solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Number: Decimals and Percentages

- \* read, write, order and compare numbers with up to three decimal places
- ♣ recognise and use thousandths and relate them to tenths. hundredths and decimal equivalents
- round decimals with two decimal places to the nearest whole number and to one decimal place
- solve problems involving number up to three decimal places
- \* recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal
- ♣ solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.

Consolidation



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	Week 1 Week 2 Week 3 Week 4	Week 5 Week 6 W	ek 7	Week 8	Week 9	Week 10	Week 11	Week 12
Summer	Number: Decimals  *Recognise and write decimal equivalents of any number of tenths or hundredths  *Find the effect of dividing a one or two-digit number to 10 or 100, identify the value of the digits in the answer as ones, tenths and hundredths  *Solve simple measure and money problems involving fractions and decimals to two decimal places  *convert between different units of measure (for example km to m)	Geometry: Properties of Shaidentify 3-D shapes, inclucubes and other cuboids, for 2-D representations  * know angles are measured degrees: estimate and comacute, obtuse and reflex and the draw given angles, and measure them in degrees and the degrees are shadened and the degrees are shadened as a point on a strail line and the degree of	ape ing	Geometry: Position and Direction  identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	Measurement Converting Use Converting Use different unit measure (for kilometre and centimetre and centimetre and centimetre and centimetre and centimetre and centimetre and illimetre; gladingram; littra millilitre)  solve probinvolving combetween unit sunderstand approximate equivalences metric units imperial unit	nt: Jnits tween s of metric r example, d metre; nd metre; nd ram and e and  plems nverting ts of time d and use s between and common	Measure ment: Volume  sestimate volume [for example, using 1 cm3 blocks to build cuboids (includin g cubes)] and capacity [for example, using water]  suse all four operation s to solve problems involving measure	Consolidation