

Year 5 ~ Long –Term Plan

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place value			Negative numbers	Addition and subtraction		Multiplication and division			Fractions A		
Spring	Fractions A (cont)	Multiplication and division			Fractions B		Decimals and percentages			Decimals		
Summer	Perimeter and area		Shape			Position and direction		Volume	Statistics		Converting units	

Year 5 ~ Medium –Term Plan

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn	Place value			Negative numbers Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0	Addition and subtraction		Multiplication and division			Fractions A			
	Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit				Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)		Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers			Compare and order fractions whose denominators are all multiples of the same number			
	Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000						Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers			Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths			
	Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000				Add and subtract numbers mentally with increasingly large numbers		Establish whether a number up to 100 is prime and recall prime numbers up to 19			Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number			
	Solve number problems and practical problems that involve all of the above				Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy		Multiply and divide mentally drawing upon known facts			Add and subtract fractions with the same denominator and denominators that are multiples of the same number			
	Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals				Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000						
Spring	Fractions A (cont)	Multiplication and division			Fractions B		Decimals and percentages			Decimals			
		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 proper fractions with the same denominator and denominators that are multiples of the same number		Read and write decimal numbers as fractions			Add and subtract decimals within 1			
		Multiply and divide mentally drawing upon known facts					Read, write, order and compare numbers with up to three decimal places			Adding decimals, crossing the whole			
							Round decimals with two decimal places to the nearest whole number and to one decimal place			Multiple and divide decimals by 10, 100 and 1000			
									Solve problems involving numbers up to three decimal places				

	<p>Divide numbers up to 4 digits by a one-digit number using a formal written method of short division and interpret remainders appropriately for context</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</p>		<p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p> <p>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</p> <p>Solve problems which require knowing percentage and decimal equivalences of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of 10 or 25</p>			
Summer	<p>Perimeter and area</p> <p>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metre</p> <p>Calculate and compare the area of rectangles, including using standard units, square centimetres and square metres, and estimate the area of irregular shapes</p> <p>Use all four operation to solve problems involving measure</p>	<p>Shape</p> <p>Identify 3-D shapes, including cubes and other cuboids, from 2-D representations</p> <p>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</p> <p>draw given angles, and measure them in degrees ($^{\circ}$)</p> <p>Identify:</p> <ul style="list-style-type: none">angles at a point and 1 whole turn (total 360°)angles at a point on a straight line and half a turn (total 180°)other multiples of 90°use the properties of rectangles to deduce related facts and find missing lengths and anglesdistinguish between regular and irregular polygons based on reasoning about equal sides and angles	<p>Position and direction</p> <p>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</p>	<p>Volume</p> <p>Estimate volume using 1cm^3 blocks to build and capacity</p> <p>Use all four operation to solve problems involving measure</p>	<p>Statistics</p> <p>Solve comparison, sum and difference problems using information presented in a line graph</p> <p>Complete, read and interpret information in tables, including timetables</p>	<p>Converting units</p> <p>Convert between different units of metric measure</p> <p>Solve problems involving converting between units of time</p>