

Year 3 Term by Term Objectives

	<u>Place Value</u>	<u>Addition and Subtraction</u>	<u>Multiplication and Division</u>
Autumn	<p>Identify, represent and estimate numbers using different representations.</p> <p>Find 10 or 100 more or less than a given number.</p> <p>Recognise the place value of each digit in a three digit number (hundreds, tens, ones).</p> <p>Compare and order numbers up to 1000.</p> <p>Read and write numbers up to 1000 in numerals and in words.</p> <p>Solve number problems and practical problems involving these ideas.</p> <p>Count from 0 in multiples of 50 and 100</p>	<p>Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve problems, including missing number problems, using number facts, place value,</p>	<p>Count from 0 in multiples of 4, 8, 50 and 100.</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.</p> <p>Solve problems involving missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connect to m objects.</p> <p>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p>

Spring	<p><u>Multiplication and Division</u></p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental methods and progressing to formal methods.</p> <p>Solve problems involving missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connect to m objects.</p>	<p><u>Money</u></p> <p>Add and subtract amounts of money to give change using both £ and p in practical contexts.</p>	<p><u>Statistics</u></p> <p>Interpret and present data using bar charts, pictograms and tables.</p> <p>Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts and pictograms and tables.</p>	<p><u>Measure: length and perimeter</u></p> <p>Measure, compare, add and subtract length (m, cm, mm)</p> <p>Measure the perimeter of simple 2-D shapes.</p>	<p><u>Fractions</u></p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Count up and down in tenths.</p> <p>Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Solve problems that involve all the above.</p>
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Summer	<u>Fractions</u>	<u>Measurement: Time</u>	<u>Geometry: Property of Shapes</u>	<u>Measure: Mass and Capacity</u>
	Recognise and show, using diagrams, equivalent fractions with small denominators.	Tell and write the time from an analogue clock, including using Roman numerals, 12-hour and 24-hour clocks.	Recognise angles as a property of shape or a description of a turn.	Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml).
	Add and subtract fractions with the same denominator within one whole.	Estimate and read time with increasing accuracy to the nearest minute.	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.	
	Compare and order unit fractions, and fractions with the same denominators.	Record and compare time in terms of seconds, minutes and hours.	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	
	Use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight.	Draw 2-D shapes and make 3-D shapes using modelling materials.		
	Solve problems that involve all of the above.	Know the number of seconds in a minute and the number of days in each month, year and leap year.	Recognise 3-D shapes in different orientations and describe them.	
	Compare durations of events [for example calculate the time taken by particular events or tasks]			