



## Year 3

### Autumn 1

Date	Topic	Curriculum Objective
	Reading, writing and ordering two- and three-digit numbers	<ul style="list-style-type: none"><li>• To recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</li><li>• To compare and order numbers up to 1000.</li><li>• To read and write numbers up to 1000 in numerals and in words.</li></ul>
	Counting and estimating	<ul style="list-style-type: none"><li>• To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number.</li><li>• To identify, represent and estimate numbers using different representations.</li></ul>
	Number facts to 20 and to 100  Addition and Subtraction of 1 and 2-digit numbers	<ul style="list-style-type: none"><li>• To add and subtract numbers mentally, including:<ul style="list-style-type: none"><li>• a three-digit number and ones</li><li>• a three-digit number and tens</li><li>• a three-digit number and hundreds.</li></ul></li><li>• To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li></ul>
	Multiplication and division facts	<ul style="list-style-type: none"><li>• To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li><li>• To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li><li>• To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li></ul>
	Measuring using mm, cm and metres	<ul style="list-style-type: none"><li>• To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li><li>• To measure the perimeter of simple 2D shapes.</li></ul>
	Recognising, describing and making 2D and 3D shapes	<ul style="list-style-type: none"><li>• To draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them with increasing accuracy.</li><li>• To identify horizontal, vertical, perpendicular and parallel lines in relation to other lines.</li></ul>
<b>Assess and Review</b>		<ul style="list-style-type: none"><li>• To assess the half-term's work.</li></ul>



Year 3  
Autumn 2

Date	Topic	Curriculum Objective
	Counting and estimating	<ul style="list-style-type: none"> <li>To add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds.</li> </ul> </li> <li>To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
	Addition and subtraction of two- and three-digit numbers, using a number line and columns	<ul style="list-style-type: none"> <li>To add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction.</li> <li>To estimate the answer to a calculation and use inverse operations to check answers.</li> <li>To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
	Multiplication and division: doubling, halving and $TU \times U$	<ul style="list-style-type: none"> <li>To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one digit numbers, using mental and progressing to formal written methods.</li> <li>To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
	Fractions: representing, comparing and ordering unit fractions of shapes and numbers	<ul style="list-style-type: none"> <li>To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>To compare and order unit fractions, and fractions with the same denominators.</li> <li>To solve problems that involve all of the above.</li> </ul>
	Read and write time to 5 minute intervals	<ul style="list-style-type: none"> <li>To tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.</li> <li>To estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as am/pm, morning, afternoon, noon and midnight.</li> <li>To know the number of seconds in a minute and the number of days in each month, year and leap year.</li> <li>To compare durations of events, for example to calculate the time taken by particular events or tasks.</li> </ul>
	Read, present and interpret pictograms and tables	<ul style="list-style-type: none"> <li>To interpret and present data using bar charts, pictograms and tables</li> <li>To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.</li> </ul>
<b>Assess and Review</b>		<ul style="list-style-type: none"> <li>To assess the half-term's work.</li> </ul>



Year 3  
Spring 1

Date	Topic	Curriculum Objective
	Number, place value and rounding	<ul style="list-style-type: none"> <li>To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number.</li> <li>To recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</li> <li>To compare and order numbers up to 1000.</li> <li>To identify, represent and estimate numbers using different representations.</li> <li>To read and write numbers up to 1000 in numerals and in words.</li> <li>To solve number problems and practical problems involving these ideas.</li> </ul>
	Use partitioning to add and subtract two-digit numbers	<ul style="list-style-type: none"> <li>To add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds.</li> </ul> </li> <li>To estimate the answer to a calculation and use inverse operations to check answers.</li> <li>To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
	Multiplication and division: multiplying one-digit numbers by multiples of 10	<ul style="list-style-type: none"> <li>To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li> <li>To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
	Multiplication and division: practical and informal written methods	<ul style="list-style-type: none"> <li>To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li> <li>To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
	Measures: adding and subtracting money	<ul style="list-style-type: none"> <li>To add and subtract amounts of money to give change, using both <math>\pounds</math> and <math>p</math> in practical contexts.</li> </ul>
	Recognising and drawing right angles in 2D shapes	<ul style="list-style-type: none"> <li>To recognise angles as a property of shape and associate angles with turning.</li> <li>To 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.</li> </ul>
<b>Assess and Review</b>		<ul style="list-style-type: none"> <li>To assess the half-term's work.</li> </ul>



Year 3  
Spring 2

Date	Topic	Curriculum Objective
	Addition and subtraction of two-digit numbers using columns	<ul style="list-style-type: none"> <li>To add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction.</li> <li>To estimate the answer to a calculation and use inverse operations to check answers.</li> <li>To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
	Multiplication and division: multiplying by multiples of 10, and dividing with remainders	<ul style="list-style-type: none"> <li>To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li> <li>To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
	Multiplication and division: multiplying and dividing larger numbers	<ul style="list-style-type: none"> <li>To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li> <li>To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
	Measuring using grams and kilograms	<ul style="list-style-type: none"> <li>To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>
	Fractions: representing, comparing and ordering unit and non-unit fractions of shapes and numbers	<ul style="list-style-type: none"> <li>To count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.</li> <li>To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>To recognise and show, using diagrams, equivalent fractions with small denominators.</li> <li>To compare and order unit fractions, and fractions with the same denominators.</li> <li>To solve problems that involve all of the above.</li> </ul>
	Read and interpret bar charts, using scales	<ul style="list-style-type: none"> <li>To interpret and present data using bar charts, pictograms and tables.</li> <li>To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.</li> </ul>
<b>Assess and Review</b>		<ul style="list-style-type: none"> <li>To assess the half-term's work.</li> </ul>



Date	Topic	Curriculum Objective
	Read, write and order and round two- and three- digit numbers	<ul style="list-style-type: none"> <li>• To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number.</li> <li>• To recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</li> <li>• To compare and order numbers up to 1000.</li> <li>• To identify, represent and estimate numbers using different representations.</li> <li>• To read and write numbers up to 1000 in numerals and in words.</li> <li>• To solve number problems and practical problems involving these ideas.</li> </ul>
	Multiplication and division problems	<ul style="list-style-type: none"> <li>• To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>• To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one digit numbers, using mental and progressing to formal written methods.</li> <li>• To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
	Addition and subtraction of three-digit numbers and 1s, 10s and 100s	<ul style="list-style-type: none"> <li>• To add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds.</li> <li>• To estimate the answer to a calculation and use inverse operations to check answers.</li> <li>• To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
	Addition and subtraction of two- and three-digit numbers using columns	<ul style="list-style-type: none"> <li>• To add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction.</li> <li>• To estimate the answer to a calculation and use inverse operations to check answers.</li> <li>• To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
	Shape: identifying horizontal, vertical, and curved lines	<ul style="list-style-type: none"> <li>• To draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them with increasing accuracy.</li> <li>• To recognise angles as a property of shape and associate angles with turning.</li> <li>• To 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.</li> <li>• To identify horizontal, vertical, perpendicular and parallel lines in relation to other lines.</li> </ul>
	Measuring using millilitres and litres	<ul style="list-style-type: none"> <li>• To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>
<b>Assess and Review</b>		<ul style="list-style-type: none"> <li>• To assess the half-term's work.</li> </ul>



Date	Topic	Curriculum Objective
	Addition and subtraction of two- and three-digit numbers using and columns	<ul style="list-style-type: none"><li>• To add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction.</li><li>• To estimate the answer to a calculation and use inverse operations to check answers.</li><li>• To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li></ul>
	Multiplication and division problems: written methods	<ul style="list-style-type: none"><li>• To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li><li>• To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li><li>• To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li></ul>
	Short multiplication and division	<ul style="list-style-type: none"><li>• To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li><li>• To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</li><li>• To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li></ul>
	Fractions: equivalence, addition and subtraction within 1, finding tenths	<ul style="list-style-type: none"><li>• To count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.</li><li>• To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li><li>• To recognise and show, using diagrams, equivalent fractions with small denominators.</li><li>• To add and subtract fractions with the same denominator within one whole <math>(\frac{5}{7} + \frac{1}{7} = \frac{6}{7})</math>.</li><li>• To solve problems that involve all of the above.</li></ul>



	Read and write time using 12 and 24 hour	<ul style="list-style-type: none"><li>• To tell and write the time from an analogue clock (including using Roman numerals from I to XII), and 12-hour and 24-hour clocks.</li><li>• To estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as am/pm, morning, afternoon, noon and midnight.</li><li>• To know the number of seconds in a minute and the number of days in each month, year and leap year.</li><li>• To compare durations of events, for example to calculate the time taken by particular events or tasks.</li></ul>
	Construct and interpret bar charts using scales	<ul style="list-style-type: none"><li>• To interpret and present data using bar charts, pictograms and tables.</li><li>• To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.</li></ul>
<b>Assess and Review</b>		<ul style="list-style-type: none"><li>• To assess the half-term's work.</li></ul>