



**SHOBNALL PRIMARY & NURSERY SCHOOL**  
**MATHEMATICS PROGRAMME OF STUDY**  
**YEAR 3 LONG TERM OVERVIEW**



## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

KEY: **NUMBER**, **GEOMETRY**, **STATISTICS** and **MEASUREMENT**

**AUTUMN TERM**, **SPRING TERM** and **SUMMER TERM**

Week	Unit	Lesson titles	Domain	National Curriculum Pupils should be taught to:	Government Guidance Ready-to-progress criteria
1	<i>Unit 1 – Place value within 1,000</i>	Lesson 1 – Counting in 100s	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	<p><b>3NPV–1</b> Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</p> <p><b>3NPV–2</b> Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</p> <p><b>3NPV–3</b> Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p> <p><b>3NPV–4</b> Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</p>
		Lesson 2 – Representing number to 1,000	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	
		Lesson 3 – 100s, 10s and 1s (1)	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	
		Lesson 4 – 100s, 10s and 1s (2)	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	
2		Lesson 5 – The number line to 1,000 (1)	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>3</b>		Lesson 6 – The number line to 1,000 (2)	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens and ones).</li> <li>Compare and order numbers up to 1,000.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	
		Lesson 7 – Finding 1, 10 and 100 more or less	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens and ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> </ul>	
		Lesson 8 – Comparing numbers to 1,000 (1)	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Compare and order numbers up to 1,000.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	
		Lesson 9 – Comparing numbers to 1,000 (2)	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens and ones).</li> <li>Compare and order numbers up to 1,000.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>	
		Lesson 10 - Ordering numbers to 1,000	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).</li> <li>Compare and order numbers up to 1,000.</li> <li>Read and write numbers up to 1,000 in numerals and in words.</li> </ul>	
		Lesson 11 – Counting in 50s	<b>Number – number and place value</b>	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>	
	<b>Unit 2 – Addition and</b>	Lesson 1- Adding and subtracting 100s	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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> </ul>	<b>3NF–1</b> Secure fluency in addition and subtraction facts that bridge 10, Through continued practice.

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>4</b>	<b>subtraction (1)</b>	Lesson 2 – Adding and subtracting a 3-digit number and 1s	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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> </ul>	<p><b>3NF–3</b> Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p> <p><b>3AS–1</b> Calculate complements to 100.</p> <p><b>3AS–2</b> Add and subtract up to three-digit numbers using columnar methods.</p>
		Lesson 3 – Adding a 3-digit number and 1s	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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> </ul>	
		Lesson 4 – Subtracting 1s from a 3-digit number	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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> </ul>	
		Lesson 5 – Adding and subtracting a 3-digit number and 10s	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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> </ul>	
		<b>5</b>	Lesson 6 – Adding a 3-digit number and 10s	<b>Number – Addition and subtraction</b>	
Lesson 7 – Subtracting 10s from a 3-digit number	<b>Number – Addition and subtraction</b>		<ul style="list-style-type: none"> <li>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>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>		
Lesson 8 – Adding and subtracting a 3-digit and 2-digit number	<b>Number – Addition and subtraction</b>		<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> </ul>		

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>6</b>		Lesson 9 - Adding a 3-digit and 2-digit number	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>		
		Lesson 10 – Subtracting a 2-digit number from a 3-digit number	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>		
	<b>Unit 3 – Addition and Subtraction (2)</b>	Lesson 1- Addition and subtraction patterns	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>		<p><b>3NF–1</b> Secure fluency in addition and subtraction facts that bridge 10, through continued practice.</p> <p><b>3NF–3</b> Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p> <p><b>3AS–1</b> Calculate complements to 100.</p> <p><b>3AS–2</b> Add and subtract up to three-digit numbers using columnar methods.</p>
		Lesson 2 – Adding two 3-digit numbers (1)	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> </ul>		

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>7</b>		Lesson 3 – Adding two 3-digit numbers (2)	Number – Addition and subtraction	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	<b>3AS–3</b> Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.
		Lesson 4 – Subtracting a 3-digit number from a 3-digit number (1)	Number – Addition and subtraction	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> </ul>	
		Lesson 5 – Subtracting a 3-digit number from a 3-digit number (2)	Number – Addition and subtraction	<ul style="list-style-type: none"> <li>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>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	
		Lesson 6 – Estimating answers to additions and subtractions	Number – Addition and subtraction	<ul style="list-style-type: none"> <li>Estimate the answer to a calculation and use inverse operations to check answers.</li> </ul>	
		Lesson 7 – Checking strategies	Number – Addition and subtraction	<ul style="list-style-type: none"> <li>Estimate the answer to a calculation and use inverse operations to check answers.</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>8</b>		Lesson 8 – Problem solving – addition and subtraction (1)	<b>Number – Addition and subtraction</b>	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	
	<b>Unit 4 – Multiplication and division (1)</b>	Lesson 1- Multiplication – equal grouping	<b>Number- Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	<p><b>3NPV–4</b> Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</p> <p><b>3NF–2</b> Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.</p> <p><b>3NF–3</b> Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p> <p><b>3MD–1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.</p>
		Lesson 2 – Multiplying by 3	<b>Number- Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 3 – Dividing by 3	<b>Number- Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>9</b>			<p>times one-digit numbers, using mental and progressing to formal written methods.</p> <ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>
	Lesson 4 – 3 times-table	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems</li> </ul>
	Lesson 5 – Multiplying by 4	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>
	Lesson 6 – Dividing by 4	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>Write and calculate mathematical statements for multiplication and division using the multiplication</li> </ul>



## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>10</b>				<p>tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 7 – 4 times-table	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 8 – Multiplying by 8	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 9 – Dividing by 8	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

		<ul style="list-style-type: none"> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>
Lesson 10 – 8 times-table	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>
Lesson 11 – Problem solving – multiplication and division (1)	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>11</b>		Lesson13 – Understanding divisibility (1)	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 14 – Understanding divisibility (2)	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 15 – Related facts – multiplication and division	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>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>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
	<b>Unit 5 – Multiplication and division (2)</b>	Lesson 1 – Comparing multiplication and division statements (1)	<b>Number-Multiplication and division</b>	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	<b>3NF–3</b> Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>12</b>	Lesson 2 – Related multiplication calculations	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 3 - Related multiplication and division calculations	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 4 – Comparing multiplication and division statements (2)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 5 – Multiplying a 2-digit number by a 1-digit number (1)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>
<b>1</b>	Lesson 6 – Multiplying a 2-digit number by a 1-digit number (2)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 7– Multiplying a 2-digit number by a 1-digit number (3)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 8 – Dividing by a 2-digit number by a 1-digit number (1)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers</li> </ul>

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>2</b>				times one-digit numbers, using mental and progressing to formal written methods.	
		Lesson 9 – Dividing by a 2-digit number by a 1-digit number (2)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>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> </ul>	
		Lesson 10 – Dividing by a 2-digit number by a 1-digit number (3)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 11 – How many ways?	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>	
		Lesson 12 – Problem solving – mixed problems (1)	Number-Multiplication and division	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> <li>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> </ul>	
<b>3</b>	<b>Unit 6 - Money</b>	Lesson 1 – Pounds and pence	Measurement	<ul style="list-style-type: none"> <li>Add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	
		Lesson 2 – Converting pounds and pence	Measurement	<ul style="list-style-type: none"> <li>Add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

		Lesson 3 – Adding money	Measurement	<ul style="list-style-type: none"> <li>Add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	
		Lesson 4 – Subtracting amounts of money	Measurement	<ul style="list-style-type: none"> <li>Add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	
		Lesson 5 – Problem solving - money	Measurement	<ul style="list-style-type: none"> <li>Add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	
4	<b>Unit 7 - Statistics</b>	Lesson 1 – Pictograms (1)	Statistics	<ul style="list-style-type: none"> <li>Interpret and present data using bar charts, pictograms and tables.</li> </ul>	
		Lesson 2 – Pictograms (2)	Statistics	<ul style="list-style-type: none"> <li>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</li> </ul>	
		Lesson 3 – Bar charts (1)	Statistics	<ul style="list-style-type: none"> <li>Interpret and present data using bar charts, pictograms and tables.</li> </ul>	
		Lesson 4 – Bar charts (2)	Statistics	<ul style="list-style-type: none"> <li>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</li> </ul>	
		Lesson 5 - Tables	Statistics	<ul style="list-style-type: none"> <li>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</li> </ul>	
5	<b>Unit 8 - Length</b>	Lesson 1 – Measuring length (1)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>	
		Lesson 2 – Measuring length (2)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>	
		Lesson 3 – Equivalent	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>6</b>		lengths – metres and centimetres				
		Lesson 4 – Equivalent lengths – centimetres and millimetres	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>		
		Lesson 5 – Comparing lengths	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>		
		Lesson 6 – Adding lengths	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>		
		Lesson 7 – Subtracting lengths	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> </ul>		
<b>7</b>		Lesson 8 – Measuring the perimeter (1)	Measurement	<ul style="list-style-type: none"> <li>Measure the perimeter of simple 2D shapes.</li> </ul>		
		Lesson 9 – Measuring the perimeter (2)	Measurement	<ul style="list-style-type: none"> <li>Measure the perimeter of simple 2D shapes.</li> </ul>		
		Lesson 10 – Problem solving – length (1)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</li> <li>Measure the perimeter of simple 2D shapes.</li> </ul>		
<b>8</b>	<b>Unit 9 – Fractions (1)</b>	Lesson 1 – Unit and non-unit fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> </ul>		<p><b>3F–1</b> Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.</p> <p><b>3F–2</b> Find unit fractions of quantities using known division facts (multiplication tables fluency).</p>
		Lesson 2 – Making the whole	Number – Fractions	<ul style="list-style-type: none"> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> </ul>		
		Lesson 3 – Tenths (1)	Number – Fractions	<ul style="list-style-type: none"> <li>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> </ul>		

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

	Lesson 4 – Tenths (2)	Number – Fractions	<ul style="list-style-type: none"> <li>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> </ul>	<b>3F–3</b> Reason about the location of any fraction within 1 in the linear number system.	
	Lesson 5 – Fractions as number (1)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>Compare and order unit fractions, and fractions with the same denominators.</li> </ul>		
	Lesson 6 – Fractions as number (2)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>Compare and order unit fractions, and fractions with the same denominators.</li> </ul>		
	Lesson 7 – Fractions as number (3)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>Compare and order unit fractions, and fractions with the same denominators.</li> </ul>		
	Lesson 8 – Fractions of a set of objects (1)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> </ul>		
9	Lesson 9 – Fractions of a set of objects (2)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> </ul>		
	Lesson 10 – Fractions of a set of objects (3)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</li> </ul>		
	Lesson 11 – Problem solving - fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Solve problems that involve all of the above.</li> </ul>		
10	<b>Unit 10 – Fractions (2)</b>				
	Lesson 1 – Equivalent fractions (1)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and show, using diagrams, equivalent fractions with small denominators.</li> </ul>		<b>3F–3</b> Reason about the location of any fraction within 1 in the linear number system.



## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>11</b>	Lesson 2 – Equivalent fractions (2)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and show, using diagrams, equivalent fractions with small denominators.</li> <li>Compare and order unit fractions, and fractions with the same denominators.</li> </ul>	<b>3F–4</b> Add and subtract fractions with the same denominator, within 1.
	Lesson 3 – Equivalent fractions (3)	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and show, using diagrams, equivalent fractions with small denominators.</li> <li>Solve problems that involve all of the above.</li> </ul>	
	Lesson 4 – Comparing fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise and show, using diagrams, equivalent fractions with small denominators.</li> <li>Compare and order unit fractions, and fractions with the same denominators.</li> </ul>	
	Lesson 5 – Comparing and ordering fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Compare and order unit fractions, and fractions with the same denominators.</li> </ul>	
	Lesson 6 – Adding fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Add and subtract fractions with the same denominator within one whole.</li> </ul>	
<b>12</b>	Lesson 7 – Subtracting fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Add and subtract fractions with the same denominator within one whole.</li> </ul>	
	Lesson 8 – Problem solving – adding and subtracting fractions	Number - Fractions	<ul style="list-style-type: none"> <li>Add and subtract fractions with the same denominator within one whole</li> <li>Solve problems that involve all of the above.</li> </ul>	
	Lesson 9 – Problem solving – fractions of measures	Number - Fractions	<ul style="list-style-type: none"> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>Solve problems that involve all of the above</li> </ul>	
<b>Unit 11 - Time</b>	Lesson 1 – Months and years	Measurement	<ul style="list-style-type: none"> <li>Know the number of seconds in a minute and the number of days in each month, year and leap year.</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>1</b>	Lesson 2 – Hours in a day	Measurement	<ul style="list-style-type: none"> <li>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>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>
	Lesson 3 – Estimating time	Measurement	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 4 – Telling time to 5 minutes	Measurement	<ul style="list-style-type: none"> <li>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> </ul>
	Lesson 5 – Telling time to the minute (1)	Measurement	<ul style="list-style-type: none"> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>
<b>2</b>	Lesson 6 – Telling time to the minute (2)	Measurement	<ul style="list-style-type: none"> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>
	Lesson 7 – Telling time to the minute (3)	Measurement	<ul style="list-style-type: none"> <li>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>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>3</b>		Lesson 8 – Finding the duration	Measurement	<ul style="list-style-type: none"> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>	
		Lesson 9 – Comparing duration	Measurement	<ul style="list-style-type: none"> <li>Compare durations of events (for example to calculate the time taken by particular events or tasks).</li> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>	
		Lesson 10 – Finding start and end times	Measurement	<ul style="list-style-type: none"> <li>Compare durations of events (for example to calculate the time taken by particular events or tasks).</li> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>	
		Lesson 11 – Measuring time in seconds	Measurement	<ul style="list-style-type: none"> <li>Compare durations of events (for example to calculate the time taken by particular events or tasks).</li> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> </ul>	
	<b>Unit 12 – Angles and properties of shapes</b>	Lesson 1 – Turns and angles	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Recognise angles as a property of shape or a description of a turn.</li> <li>Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn</li> </ul>	<b>3G–1</b> Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

				and four a complete turn; identify whether angles are greater than or less than a right angle	shapes presented in different orientations.  <b>3G–2</b> Draw polygons by joining marked points, and identify parallel and perpendicular sides.
		Lesson 2 – Right angles in shapes	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Recognise angles as a property of shape or a description of a turn.</li> <li>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>	
4*		Lesson 3 – Comparing angles	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Recognise angles as a property of shape or a description of a turn.</li> <li>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>	
		Lesson 4 – Drawing accurately	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.</li> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>	
		Lesson 5 – Types of line(1)	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>	
		Lesson 6 – Types of line (2)	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>	
5		Lesson 7 – Recognising and describing 2D shapes	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.</li> </ul>	
		Lesson 8 – Recognising and describing 3D shapes	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.</li> </ul>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

<b>6</b>		Lesson 9 – Constructing 3D shapes	Geometry – Properties of shapes	<ul style="list-style-type: none"> <li>Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.</li> </ul>		
	<b>7</b>	<b>Unit 13 - Mass</b>	Lesson 1 – Measuring mass (1)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>	
		Lesson 2 – Measuring mass (2)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>		
		Lesson 3 – Measuring mass (3)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>		
		Lesson 4 – Comparing masses	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>		
		Lesson 5 – Adding and subtracting masses	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>		
Lesson 6 – Problem solving - mass	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>				
<b>8</b>	<b>Unit 14 - Capacity</b>	Lesson 1 – Measuring capacity (1)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>		
	Lesson 2 – Measuring capacity (2)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>			
	Lesson 3 – Measuring capacity (3)	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>			
	Lesson 4 – Comparing capacities	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>			

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

**KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT**

**AUTUMN TERM, SPRING TERM and SUMMER TERM**

		Lesson 5 – Adding and subtracting capacities	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>	
		Lesson 6 – Problem solving - capacity	Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</li> </ul>	
9	RTP	3NPV - 1	Number – number and place value	Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.	
	RTP	3NPV – 2	Number – number and place value	Recognise the place value of each digit in <i>three</i> -digit numbers, and compose and decompose <i>three</i> -digit numbers using standard and non-standard partitioning.	
	RTP	3NPV – 3	Number – number and place value	Reason about the location of any <i>three</i> -digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.	
	RTP	3NPV – 4	Number – number and place value	Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.	
	RTP	3NF – 1	Number – number and fluency	Secure fluency in addition and subtraction facts that bridge 10, through continued practice.	
10	RTP	3NF – 2	Number – number and fluency	Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	
	RTP	3NF - 3	Number – number and fluency	Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).	
	RTP	3AS – 1	Number – addition and subtraction	Calculate complements to 100.	
	RTP	3AS - 2	Number – addition and subtraction	Add and subtract up to three-digit numbers using columnar methods.	
11	RTP	3AS – 3	Number – addition and subtraction	<p>Manipulate the additive relationship:</p> <p>Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure.</p> <p>Understand and use the commutative property of addition, and understand the related property for subtraction.</p>	

## YEAR THREE MATHEMATICS LONG TERM OVERVIEW

KEY: **NUMBER**, **GEOMETRY**, **STATISTICS** and **MEASUREMENT**

**AUTUMN TERM**, **SPRING TERM** and **SUMMER TERM**

12	RTP	3MD – 1	Number – multiplication and division	Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.
	RTP	3F – 1	Number – fractions	Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.
	RTP	3F – 2	Number – fractions	Find unit fractions of quantities using known division facts (multiplication tables fluency).
	RTP	3F – 3	Number – fractions	Reason about the location of any fraction within 1 in the linear number system.
	RTP	3F – 4	Number – fractions	Add and subtract fractions with the same denominator, within 1.
	RTP	3G – 1	Geometry	Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.
	RTP	3G – 2	Geometry	Draw polygons by joining marked points, and identify parallel and perpendicular sides.