



Subject	Maths	Term	Autumn
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Area	What I should already be able to do	What I will be able to do by the end of term
Numbers and the Number System	<ul style="list-style-type: none"> Read and write numbers up to 1000 in numerals and in words Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Know what tenths are, and count up and down in tenths Read Roman numerals from 1 to 12 (I to XII) 	<ul style="list-style-type: none"> Read and write numbers up to 9,999 in numerals and in words Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Know what hundredths are, and count up and down in hundredths Divide a one- or two-digit number by 10 and 100 Round any number to the nearest 10, 100 or 1000 and round decimals with one decimal place to the nearest whole number Read Roman numerals from 1 to 100 (I to C)
Counting and Comparing	<ul style="list-style-type: none"> Compare and order numbers up to 1000 Count from 0 in steps of 1, 2, 3, 4, 5, 8, 10, 50 and 100 Find 10 or 100 more or less than a given number 	<ul style="list-style-type: none"> Compare and order numbers up to 9,999 Compare numbers with the same number of decimal places up to 2 dp Count from 0 in steps of 6, 7, 9, 25 and 1000 Find 1000 more or less than a given number Count backwards through zero to include negative numbers
Calculating: Addition and Subtraction	<ul style="list-style-type: none"> Add and subtract numbers with up to 3 digits mentally and using written column methods. 	<ul style="list-style-type: none"> Add and subtract numbers with up to 4 digits mentally when appropriate. Add and subtract numbers with up to 4 digits using written column methods.
Investigating Properties of Shapes	<ul style="list-style-type: none"> Identify pairs of perpendicular and parallel lines. Draw 2-d shapes. 	<ul style="list-style-type: none"> Identify lines of symmetry in 2-D shapes and complete a simple symmetric figure. Compare and classify 2D shapes, including quadrilaterals and triangles.

Number facts I must know
<p>Addition facts Within 10 and 20 e.g. $3 + 5 = 8$; $6 + 4 = 10$; $7 + 8 = 15$; $12 + 6 = 18$; $15 + 5 = 20$</p>
<p>Subtraction facts Within 10 and 20 e.g. $8 - 5 = 3$; $10 - 6 = 4$; $15 - 7 = 8$; $18 - 12 = 6$; $20 - 5 = 15$</p>
<p>Multiplication facts 2, 3, 4, 5, 8 and 10 x tables e.g. $3 \times 4 = 12$; $7 \times 8 = 56$</p>
<p>Division facts 2, 3, 4, 5, 8 and 10 x tables e.g. $12 \div 4 = 3$; $56 \div 8 = 7$</p>

Key calculation methods I will use																																																	
Written																																																	
<p>Column addition</p> <table border="1" style="width: 100%; text-align: center;"> <tr><td></td><td>3</td><td>7</td><td>8</td><td>6</td><td></td></tr> <tr><td>+</td><td>1</td><td>4</td><td>2</td><td>3</td><td></td></tr> <tr><td></td><td>5</td><td>2</td><td>0</td><td>9</td><td></td></tr> <tr><td></td><td>1</td><td>1</td><td></td><td></td><td></td></tr> </table>		3	7	8	6		+	1	4	2	3			5	2	0	9			1	1				<p>Column Subtraction</p> <table border="1" style="width: 100%; text-align: center;"> <tr><td></td><td>3</td><td>6</td><td>11</td><td>1</td><td></td></tr> <tr><td></td><td>3</td><td>7</td><td>2</td><td>6</td><td></td></tr> <tr><td>-</td><td></td><td>4</td><td>2</td><td>8</td><td></td></tr> <tr><td></td><td>3</td><td>2</td><td>9</td><td>8</td><td></td></tr> </table>		3	6	11	1			3	7	2	6		-		4	2	8			3	2	9	8	
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<p>Vocabulary: exchange, exchange digit, place holder. For example: In column addition, when we add 8 tens to 2 tens, we write the exchange digit 1 under the hundreds column. In column subtraction, we exchange one ten for ten ones to make 16 ones.</p>																																																	

Models and images that will be used to support my understanding																			
<p>Place value counters</p> <p>23 + 10</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Thousands</th> <th>Hundreds</th> <th>Tens</th> <th>Ones</th> <th>Tenths</th> <th>Hundredths</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>2</td><td>3</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td>2</td><td></td><td>3</td></tr> </tbody> </table> <p>Place value charts</p>	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths			2	3						2		3	<p>297 + 8</p> <p>402 - 6</p> <p>Number lines</p>
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<p>18 + 6 = 24</p> <table border="1" style="width: 100%; text-align: center;"> <tr><td colspan="2">24</td></tr> <tr><td>18</td><td>6</td></tr> </table> <p>Bar models</p>		24		18	6														
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