

## Mathematics Medium Term Planning - Year 1

Year 1 Autumn 1						
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
<b>Domains</b>						
<p style="text-align: center;"><b>Place Value (within 10)</b></p> <ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</li> <li>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</li> <li>Compare numbers using <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li> <li>Read and write numbers from 1 to 20 in numerals and words.</li> </ul>				<p style="text-align: center;"><b>Addition and subtraction (within 10)</b></p> <ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer)</li> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (<math>-</math>) and equals (=) signs.</li> <li>Represent and use number bonds and related subtraction facts within 20.</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero.</li> </ul>		
<b>Fluency</b>						
<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count forwards in 1s, from 0 to 10.</li> <li>Count backwards in 1s, from 10, to 0.</li> <li>Count forwards in 1s, from a different starting number, within 10.</li> <li>Count backwards in 1s, from a different starting number, within 10.</li> <li>Count forwards, in multiples of two, from zero, to 24.</li> <li>Count backwards, in multiples of two, from 24, to zero</li> </ul>	<p style="text-align: center;"><b>Fact recall</b></p> <ul style="list-style-type: none"> <li>Recall 'one more' facts, within 10, including zero</li> <li>Recall 'one less' facts within 10.</li> <li>Recall number bonds and related subtraction facts within 5, including zero and use the commutative law.</li> <li>Represent and use number bonds and related subtraction facts within 10, including zero and use the commutative law.</li> <li>Recall addition doubles for all number to 5, up to a total of 10.</li> <li>Recall doubles to 5, up to a total of 10, and the corresponding halves.</li> </ul>		<p style="text-align: center;"><b>Mental calculation</b></p> <ul style="list-style-type: none"> <li>Add near addition doubles, up to a total of 10, using doubles to 5. (partition, double and adjust by 1)</li> <li>Add two, 1-digit numbers, within 10, without bridging the ten boundary. (subitise, reorder and put the larger number first, count on (augmentation), known fact)</li> </ul>		<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count forwards in 1s, from 0 to 20</li> <li>Count backwards in 1s, from 20, to 0</li> <li>Count forwards in 1s, from a different starting number, within 20</li> <li>Count backwards in 1s, from a different starting number, within 20</li> </ul>	

## Mathematics Medium Term Planning - Year 1

Year 1 Autumn 2					
WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
<b>Domains</b>					
<b>Addition and subtraction (within 10)</b>			<b>Shape</b>	<b>Consolidation</b>	
<ul style="list-style-type: none"> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer)</li> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</li> <li>Represent and use number bonds and related subtraction facts within 20.</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero.</li> </ul>			<ul style="list-style-type: none"> <li>Recognise and name 2-D and 3-D shapes, including 2-D shapes (for examples rectangles (including squares), circles and triangles); 3-D shapes (for example cuboids (including cubes) pyramids and spheres)</li> </ul>		
<b>Fluency</b>					
<b>Counting</b>	<b>Fact recall</b>		<b>Mental calculation</b>		<b>Consolidation</b>
<ul style="list-style-type: none"> <li>Count forwards, in multiples of two, from zero, to 24.</li> <li>Count backwards, in multiples of two, from 24, to zero.</li> <li>Count forwards, in multiples of 10, from zero, to 120.</li> <li>Count backwards, in multiples of 10, from 120, to zero.</li> </ul>	<ul style="list-style-type: none"> <li>Recall 'one more' facts, within 20, including zero.</li> <li>Recall 'one less' facts, within 20.</li> <li>Recall number bonds and related subtraction facts within 5, including zero and use the commutative law.</li> <li>Represent and use number bonds and related subtraction facts within 10, including zero and use the commutative law.</li> <li>Recall addition doubles for all number to 5, up to a total of 10.</li> <li>Recall doubles to 5, up to a total of 10, and the corresponding halves.</li> </ul>		<ul style="list-style-type: none"> <li>Subtract two, 1-digit numbers, within 10. (subitise, count back (taking away), count on (finding the difference), known fact)</li> <li>Subtract a 1-digit number from ten. (subitise, count back (taking away), count on (finding the difference), known fact)</li> </ul>		

## Mathematics Medium Term Planning - Year 2

Year 2 Autumn 1						
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
<b>Domains</b>						
<p style="text-align: center;"><b>Place Value</b></p> <ul style="list-style-type: none"> <li>Read and write numbers to at least 100 in numerals and words</li> <li>Identify, represent and estimate numbers using different representations including the number line</li> <li>Count in steps of 2, 3 and 5 from 0 and in 10's from any number, forward and backward</li> <li>Recognise the place value of each digit in a 2-digit number (tens, ones)</li> <li>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> <li>Use place value and number facts to solve problems</li> </ul>				<p style="text-align: center;"><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.</li> <li>Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written calculations</li> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a 2-digit number and 1s, a 2-digit number and 10's, two 2-digit numbers and adding three 1-digit numbers</li> <li>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> </ul>		
<b>Fluency</b>						
<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count forwards and backwards in 1s, from 0/100 or any other number, within 100 and beyond 100, crossing the 100 boundary.</li> <li>Count forwards and backwards, in multiples of 3, from zero, or any other multiple, up to <math>12 \times 3</math>.</li> </ul>	<p style="text-align: center;"><b>Fact recall</b></p> <ul style="list-style-type: none"> <li>Recall '10 more' facts, within 100.</li> <li>Recall '10 less' facts, within 100.</li> <li>Derive and recall what must be added to any two-digit number to make the next multiple of 10, within 100. (<math>56 + ? = 60</math>)</li> <li>Derive and recall adding a one-digit number and a multiple of 10, within 100.</li> </ul>		<p style="text-align: center;"><b>Mental calculation</b></p> <ul style="list-style-type: none"> <li>Derive complements (bonds) to 100, using knowledge of bonds for 10 and bonds for 100. (<math>23 + 77 = 100</math>, using knowledge of <math>20 + 70</math> (<math>2 + 7</math>) and <math>3 + 7</math>)</li> <li>Add three, one-digit numbers, including bridging the ten boundary.</li> </ul>		<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count forwards and backwards in 1s, from 0/100 or any other number, within 100 and beyond 100, crossing the 100 boundary.</li> <li>Count forwards and backwards, in multiples of 3, from zero, or any other multiple, up to <math>12 \times 3</math>.</li> </ul>	

## Mathematics Medium Term Planning - Year 2

Year 2 Autumn 2					
WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
<b>Domains</b>					
<p style="text-align: center;"><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 20 (Y1)</li> <li>Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.</li> <li>Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written calculations</li> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a 2-digit number and 1s, a 2-digit number and 10's, two 2-digit numbers and adding three 1-digit numbers</li> <li>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> </ul>		<p style="text-align: center;"><b>Shape</b></p> <ul style="list-style-type: none"> <li>Identify and describe the properties of 2-D shapes, including the number of sides, and line of symmetry in a vertical line</li> <li>Compare and sort common 2-D and 3-D shapes and everyday objects</li> <li>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> <li>Identify 2-D shapes on the surface of 3-D shapes</li> </ul>			
<b>Fluency</b>					
<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count forwards and backwards in 1s, from 0/100 or any other number, within 100 and beyond 100, crossing the 100 boundary.</li> <li>Count forwards and backwards, in multiples of 3, from zero, or any other multiple, up to <math>12 \times 3</math>.</li> </ul>	<p style="text-align: center;"><b>Fact recall</b></p> <ul style="list-style-type: none"> <li>Recall '10 more' facts, within 100.</li> <li>Recall '10 less' facts, within 100.</li> <li>Derive and recall what must be added to any two-digit number to make the next multiple of 10, within 100. (<math>56 + ? = 60</math>)</li> <li>Derive and recall adding a one-digit number and a multiple of 10, within 100.</li> </ul>		<p style="text-align: center;"><b>Mental calculation</b></p> <ul style="list-style-type: none"> <li>Derive complements (bonds) to 100, using knowledge of bonds for 10 and bonds for 100. (<math>23 + 77 = 100</math>, using knowledge of <math>20 + 70</math> (<math>2 + 7</math>) and <math>3 + 7</math>)</li> <li>Add three, one-digit numbers, including bridging the ten boundary.</li> </ul>		<p style="text-align: center;"><b>Consolidation</b></p>

## Mathematics Medium Term Planning - Year 3

Year 3 Autumn 1						
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
<b>Domains</b>						
<b>Place Value</b>			<b>Addition and subtraction</b>			
<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 6, 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, ones) using standard and non-standard partitioning.</li> <li>Compare and order numbers up to 1000.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1000 in numerals and in words.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>			<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>Estimate the answer to a calculation and use inverse operations to check answers</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>			
<b>Fluency</b>						
<b>Counting</b>	<b>Fact recall</b>		<b>Mental calculation</b>		<b>Counting</b>	
<ul style="list-style-type: none"> <li>Count forwards and backwards, in multiples of 50, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples of 100, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples of 3, from zero, or any other multiple, up to 12x3.</li> </ul>	<ul style="list-style-type: none"> <li>Recall '1, 10 and 100 more and less' facts, within 1000.</li> <li>Derive and recall addition facts, within 100, using bonds to 10 to support. (27+3, 36+14)</li> <li>Derive and recall sums of multiples of 10. (40+30, 50+80 (bridge))</li> <li>Derive and recall addition doubles for all numbers to 50, up to a total of 100. (42+42, 46+46 (bridging))</li> </ul>		<ul style="list-style-type: none"> <li>Add a near multiple of 10. (56 +29)</li> <li>Subtract a near multiple of 10. (56 -29)</li> <li>Add a multiple of 10 and a three-digit number. (50+342 or 342+50, 70+342 or 342+70 (bridging))</li> <li>Subtract a multiple of ten from a three-digit number. (564-30, 742-60 (bridging))</li> </ul>		<ul style="list-style-type: none"> <li>Count forwards and backwards, in multiples of 4, from zero, or any other multiple, up to 12x4.</li> </ul>	

## Mathematics Medium Term Planning - Year 3

Year 3 Autumn 2					
WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
<b>Domains</b>					
<b>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>Estimate the answer to a calculation and use inverse operations to check answers</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	<b>Multiplication and division</b> <ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 2, 3, 4, 6, 8 and 10 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>Consolidation</b>
<b>Fluency</b>					
<b>Counting</b> <ul style="list-style-type: none"> <li>Count forwards and backwards, in multiples of 8, from zero, or any other multiple, up to 12x8.</li> </ul>	<b>Fact recall</b> <ul style="list-style-type: none"> <li>Derive and recall addition doubles for multiples of 10, up to a total of 200.</li> <li>Derive and recall addition doubles for multiples of 100, up to a total of 1000.</li> <li>Derive and recall differences of multiples of 10. (80- 40, 120-90 (bridge))</li> <li>Derive and recall what must be added to any three-digit number to make the next multiple of 100. (521+?=600)</li> </ul>		<b>Mental calculation</b> <ul style="list-style-type: none"> <li>Add three-digit multiples of 10. (620+280)</li> <li>Subtract three-digit multiples of 10. (620-380)</li> <li>Add/subtract a three-digit number and a one-digit number, without bridging the ten boundary.</li> <li>Add/subtract a three-digit number and a one-digit number, bridging the boundary.</li> <li>Add/subtract a three-digit number and a two-digit number, without bridging the ten boundary.</li> <li>Add/subtract a three-digit number and a two-digit number, bridging the ten boundary.</li> <li>Add a three-digit number and a two-digit number, bridging the ten boundary and the 100 boundary.</li> </ul>		<b>Consolidation</b>

## Mathematics Medium Term Planning - Year 4

Year 4 Autumn 1						
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
<b>Domains</b>						
<p style="text-align: center;"><b>Place Value</b></p> <ul style="list-style-type: none"> <li>Count in multiples of 6, 7, 9, 25 and 1000.</li> <li>Find 1000 more or less than a given number.</li> <li>Count backwards through zero to include negative numbers.</li> <li>Recognise the place value of each digit in a four-digit number(thousands, hundreds, tens, and ones) and use standard and non- standard partitioning.</li> <li>Order and compare numbers beyond 1000.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Round any number to the nearest 10, 100 or 1000.</li> <li>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</li> <li>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value</li> </ul>				<p style="text-align: center;"><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</li> <li>Estimate and use inverse operations to check answers to a calculation.</li> <li>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>		
<b>Fluency</b>						
<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count backwards through zero to include negative numbers.</li> <li>Count forwards and backwards, in multiples 25, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples 1000, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples of 7, from zero, or any other multiple, up to 12x7.</li> </ul>	<p style="text-align: center;"><b>Fact recall</b></p> <ul style="list-style-type: none"> <li>Recall '1, 10, 100 and 1000 more/less' facts, with numbers up to 4-digits.</li> <li>Derive and recall addition facts, within 1000, using bonds to 10 to support. (327+23, 452+154)</li> <li>Derive and recall sums and differences of multiples of 10, 100 or 1000. (650+230) (960- 390)</li> <li>Derive and recall addition doubles of all numbers from 1 to 100, up to a total of 200. (63+63, 67+67 (bridging))</li> <li>Derive and recall addition doubles for multiples of 10, within 1000.</li> <li>Derive and recall addition doubles for multiples of 100, up to a total of 2000.</li> <li>Derive and recall addition doubles for multiples of 1000.</li> <li>Derive and recall what must be added to any four-digit number to make the next multiple of 1000. (4087+?=5000)</li> </ul>			<p style="text-align: center;"><b>Mental calculation</b></p> <ul style="list-style-type: none"> <li>Add near addition doubles of multiples of 10, with a difference of 20 (partition, double and adjust)</li> <li>Add/subtract a near multiple of 100 . (140+150)/(390-370)</li> <li>Add/subtract a near multiple of 10 or 100 to any two-digit or three-digit number (235+198)/(535-198)</li> <li>Add/subtract a pair of two-digit numbers or three-digit multiples of 10 (38+86, 350+360)/(86+-39, 390-360)</li> </ul>	<p style="text-align: center;"><b>Counting</b></p> <ul style="list-style-type: none"> <li>Count forwards and backwards, in multiples 25, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples 1000, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples of 7, from zero, or any other multiple, up to 12x7</li> </ul>	

## Mathematics Medium Term Planning – Year 4

Year 4 Autumn 2					
WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
<b>Domains</b>					
<b>Area</b>	<b>Multiplication and division</b>			<b>Consolidation</b>	
<ul style="list-style-type: none"> <li>Find the area of rectilinear shapes by counting squares.</li> </ul>	<ul style="list-style-type: none"> <li>Recall multiplication and division facts for multiplication tables up to 12 x 12</li> <li>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</li> <li>Recognise and use factor pairs and commutativity in mental calculations.</li> </ul>				
<b>Fluency</b>					
<b>Counting</b>	<b>Fact recall</b>		<b>Mental calculation</b>		<b>Consolidation</b>
<ul style="list-style-type: none"> <li>Count forwards and backwards, in multiples 25, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples 1000, from zero or any other multiple.</li> <li>Count forwards and backwards, in multiples of 7, from zero, or any other multiple, up to 12x7</li> </ul>	<ul style="list-style-type: none"> <li>Derive and recall doubles of all numbers from 1 to 100 and the corresponding halves.</li> <li>Derive and recall doubles of any multiple of 10 and 100 and the corresponding halves. (double 340, halve 680)</li> <li>Halve any even number to 200. (halve 186)</li> <li>Multiply by 1 and 0.</li> <li>Divide by 1.</li> </ul>		<ul style="list-style-type: none"> <li>Multiply numbers, up to 20, by a one-digit number</li> <li>Multiply a multiple of 10, up to 100, by a one-digit number (90x6)</li> <li>Multiply a one-digit/two digit number by 100</li> <li>Multiply a three-digit by 10 and 100</li> <li>Divide numbers by 10 and 100 (whole number answers)</li> <li>Multiply two-digit numbers by 4, using doubles. (26x4=double 26, double 52)</li> <li>Divide two-digit numbers by 4, using doubles. (96÷4=halve 96, halve 48)</li> <li>Multiply two-digit numbers by 5, using x10 and halve. (32x5 = (32x10)÷2 or (32÷2)x10)</li> <li>Multiply two-digit numbers by 20, using x10 and double(32x20 = (32x10)x2 or (32x2) x 10)</li> </ul>		



## Mathematics Medium Term Planning - Year 5

Year 5 Autumn 1						
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
<b>Domains</b>						
<b>Place Value</b>		<b>Addition and subtraction</b>			<b>Multiplication and division</b>	
<ul style="list-style-type: none"> <li>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. .</li> <li>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.</li> <li>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</li> <li>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.</li> <li>Solve number problems and practical problems that involve all of the above.</li> <li>Read Roman numerals to 1000 (M) and recognise years in Roman numerals</li> </ul>		<ul style="list-style-type: none"> <li>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).</li> <li>Add and subtract numbers mentally with increasingly large numbers.</li> <li>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>			<ul style="list-style-type: none"> <li>Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers</li> <li>Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers.</li> <li>Establish whether a number up to 100 is prime and recall prime numbers up to 19.</li> <li>Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes</li> <li>recognise and use square and cube numbers and the notation for squared and cubed.</li> </ul>	
<b>Fluency</b>						
<b>Counting</b>	<b>Fact recall</b>		<b>Mental calculation</b>		<b>Counting</b>	
<ul style="list-style-type: none"> <li>Count forwards and backwards with positive and negative whole numbers, including through zero.</li> <li>Count forwards or backwards in steps of powers of 10 (10s, 100s, 1,000s, 10,000s, 100,000s) for any given number up to 1000 000.</li> </ul>	<ul style="list-style-type: none"> <li>Recall multiples of 12, up to 12x12, in any order, including missing numbers and related division facts.</li> <li>Recall multiples of all times tables up to 12x12, in any order, including missing numbers and related division facts.</li> <li>Derive and recall addition doubles for multiples of 10, 100 and 1000. (30+30, 400+400, 2000+2000)</li> </ul>		<ul style="list-style-type: none"> <li>Add a near multiple of 10, 100 or 1000 to any number. (3235+1198)</li> <li>Subtract a near multiple of 10, 100 or 1000 from any number. (3235- 1198)</li> </ul>		<ul style="list-style-type: none"> <li>Count forwards and backwards with positive and negative whole numbers, including through zero.</li> <li>Count forwards or backwards in steps of powers of 10 (10s, 100s, 1,000s, 10,000s, 100,000s) for any given number up to 1000 000.</li> </ul>	

## Mathematics Medium Term Planning – Year 5

Year 5 Autumn 2					
WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
<b>Domains</b>					
<b>Multiplication and division</b> <ul style="list-style-type: none"> <li>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000</li> <li>Multiply and divide numbers mentally drawing upon known facts</li> </ul>	<b>Fractions A</b> <ul style="list-style-type: none"> <li>Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths</li> <li>Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements <math>&gt; 1</math> as a mixed number</li> <li>Compare and order fractions whose denominators are all multiples of the same number</li> <li>Add and subtract fractions with the same denominator and denominators that are multiples of the same number</li> </ul>				<b>Consolidation</b>
<b>Fluency</b>					
<b>Counting</b> <ul style="list-style-type: none"> <li>Count forwards and backwards with positive and negative whole numbers, including through zero.</li> <li>Count forwards or backwards in steps of powers of 10 (10s, 100s, 1,000s, 10,000s, 100,000s) for any given number up to 1000 000.</li> </ul>	<b>Fact recall</b> <ul style="list-style-type: none"> <li>Recall multiples of all times tables up to 12x12, in any order, including missing numbers and related division facts.</li> <li>Recall prime numbers up to 19.</li> <li>Recall squares to 12 x 12.</li> <li>Recall cube numbers.</li> <li>Derive and recall factor pairs to 100 (56 (1x56, 2x28, 4x14, 7x8))</li> </ul>		<b>Mental calculation</b> <ul style="list-style-type: none"> <li>Count forwards and backwards with positive and negative whole numbers, including through zero.</li> <li>Count forwards or backwards in steps of powers of 10 (10s, 100s, 1,000s, 10,000s, 100,000s) for any given number up to 1000 000.</li> </ul>		<b>Consolidation</b>

