

*Autumn 1 Weekly Planning*

*Most able Year 4 pupils to refer to Year 5 objectives.*

*SEN pupils include Year 2 objectives where appropriate*

*All focus areas to include problem solving*

**REFER TO EXEMPLIFICATION**

<b>W/B</b>	<b>Focus Area</b>	<b>Year 3 Objectives</b>	<b>Year 4 Objectives</b>
07.09.15	Place value	<p>Find 10 or 100 more or less than a given number.</p> <p>Read and write numbers up to 1000 in numerals and in words.</p> <p>Compare and order numbers up to 1000</p> <p>·</p> <p>Recognise the place value of each digit in a three digit number (hundreds, tens and ones).</p> <p>Solve number problems and practical problems involving these ideas.</p>	<p>Count backwards through zero to include negative numbers.</p> <p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Find 1000 more or less than a given number.</p> <p>Order and compare numbers beyond 1000.</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).</p> <p>Round any number to the nearest 10, 100 or 1000.</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p>
14.09.15	Addition	<p>Add and subtract numbers mentally, including:</p> <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> <p>Add and subtract numbers with up to three digits, using</p>	<p>Add and subtract numbers mentally, including:</p> <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> <p>Add and subtract numbers with up to 4 digits using</p>

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		<p>formal written methods of columnar addition and subtraction.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>	<p>the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why.</p>
22.09.15	Subtraction	As above.	As above.
29.09.15	Multiplication	<p>Count from 0 in multiples of 4, 8, 50 and 100.</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve problems, including missing number problems, involving multiplication and division.</p>	<p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Recall multiplication and division facts for multiplication tables up to 12x12.</p> <p>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</p> <p>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Estimate and use inverse operations to check</p>

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			answers to a calculation.
06.10.15	Division	As above.	
13.10.15	Fractions	<p>Count up and down in tenths.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non unit fractions with small denominators.</p> <p>Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10.</p> <p>Recognise and use fractions as numbers: unit fractions and non unit fractions with small denominators.</p> <p>Compare and order unit fractions, and fractions with the same denominators.</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>Add and subtract fractions with the same denominator within one whole.</p> <p>Solve problems that involve all of the above.</p>	<p>Count up and down in hundredths.</p> <p>Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by Ten.</p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Add and subtract fractions with the same denominator.</p> <p>Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p>

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20.10.15	Geometry	<p>Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).</p> <p>Order and arrange combinations of mathematical objects in patterns and sequences.</p>	<p>Describe positions on a 2-D grid as co-ordinates in the first quadrant.</p> <p>Describe movements between positions as translations of a given unit to the left/right and up/down.</p> <p>Plot specified points and draw sides to complete a given polygon.</p>
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