













Year 5 - Spring Term 1 - Topic Plan		Pupil Assessment	Teacher Assessment
Week 1	<b>Topic: Number and place value / Decimals, percentages and their equivalence to fractions / Problem solving, reasoning and algebra</b> <ul style="list-style-type: none"> <li>Read and write numbers with up to six digits and understand the value of each digit</li> <li>Understand place value in 6-digit numbers and use knowledge to solve place-value additions and subtractions</li> <li>Understand place value in 6-digit numbers, place 6-digit numbers on a number line and order 6-digit numbers, finding numbers in between</li> <li>Understand place value in decimal numbers as tenths and hundredths, multiply and divide by 10/100/1000 and understand place value in 6-digit numbers</li> <li>Understand place value in decimal numbers to two decimal places, place decimal numbers on a line, round 2-place decimal numbers to nearest tenth and whole number and say the number a tenth or a hundredth more and give mathematical explanations about the number system</li> </ul>	  	
Week 2	<b>Topic: Mental addition and subtraction / Problem solving, reasoning and algebra / Written addition and subtraction</b> <ul style="list-style-type: none"> <li>Rehearse mental addition strategies for decimal and whole numbers.</li> <li>Use counting up as a strategy to perform mental addition of 2-place decimals to the next whole number and solve missing number sentences.</li> <li>Use mental strategies to solve multi-step word problems.</li> <li>Use counting up (Frog) as a strategy to perform written subtraction.</li> </ul>	  	
Week 3	<b>Topic: Mental multiplication and division / Number and place value / Problem solving, reasoning and algebra</b> <ul style="list-style-type: none"> <li>Use rules of divisibility to find if numbers are divisible by 2, 3, 4, 5, 9 and 10</li> <li>Identify prime numbers and revise finding factors of numbers</li> <li>Find square numbers and square roots, finding patterns and making and testing rules</li> <li>Use mental multiplication strategies</li> <li>Use mental strategies to divide numbers</li> </ul>	  	
Week 4	<b>Topic: Problem solving, reasoning and algebra / Geometry: properties of shapes / Measurement / Statistics</b> <ul style="list-style-type: none"> <li>Properties of triangles, find that angles in a triangle have a total of <math>180^\circ</math>, devise and test a rule to work out a missing angle</li> <li>Properties of scalene and right-angled triangles, and sort triangles according to their properties</li> <li>Use scales to weigh amounts to the nearest half interval, convert from grams to kilograms and vice versa</li> <li>Read scales to the nearest half division, convert from millilitres to litres and vice versa</li> <li>Understand that we measure distance in kilometres and miles, convert from metres to kilometres and vice versa, use ready reckoning to give approximate values of miles in kilometres and vice versa, and draw line conversion graphs</li> </ul>	  	
Week 5:	<b>Topic: Written addition and subtraction / Problem solving, reasoning and algebra / Measurement</b> <ul style="list-style-type: none"> <li>Use written column method to add amounts of money in pounds and pence.</li> <li>Subtract decimal numbers using counting up.</li> </ul>	