



## Maths Medium Term Plan Year 5 Autumn Term – Miss Mills

Week	Topic	Objectives
1 & 2	NUMBER AND PLACE VALUE	<p>To be able to identify the value of each digit of numbers with 5 digits (and 2 decimal places).</p> <p>To read and write numbers with two decimal places supported by images or manipulatives.</p> <p>To partition whole numbers with up to 5 digit and start to partition decimals into ones, tenths and hundredths.</p> <p>To solve problems involving number and place value.</p> <p>To compare and order numbers with 6 digits (and 2 decimal places).</p> <p>To round any number to 10,000 to the nearest 10, 100 or 1000.</p>
3	ADDITION	<p>To be able to estimate answers.</p> <p>To be able to consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method.</p> <p>To be able to use solve addition calculations with numbers up to 4 digits and one decimal place using compact written methods.</p> <p>To use the inverse to check answers to calculations.</p> <p>To be able to solve addition problems.</p>
4	SUBTRACTION	<p>To be able to estimate answers.</p> <p>To be able to consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method.</p> <p>To be able to use solve subtraction calculations with numbers up to 4 digits and one decimal place using compact written methods.</p> <p>To use the inverse to check answers to calculations.</p> <p>To be able to solve addition and subtraction problems in contexts, deciding which operations and methods to use and why.</p>
5	MONEY	<p>To revise coinage and notes.</p> <p>To understand that the decimal point separates pounds and pence</p> <p>To be able to consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method.</p> <p>To be able to add amounts of money using a compact written method.</p> <p>To be able to subtract amount of money using a compact written method.</p> <p>To be able to calculate change from £1, £5 or £10.</p>



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		To be able to solve addition and subtraction problems in the context of money.
6	<b>MULTIPLICATION</b> Factors & Prime numbers	To know and use the vocabulary: prime number & factor. To know how to find factors of a number using tables knowledge and arrays. To know how to find factor pairs within known tables. To find prime numbers up to 50. To record square number using ( <sup>2</sup> ).
7 & 8	<b>FRACTIONS</b>	To be able to compare and order fractions where the denominators are the same or multiples of the same number. To be able to identify equivalent fractions. To be able to read and write decimal numbers as fractions and vice versa. To identify name and write equivalent fraction of a number of tenths or hundredths.
9	<b>MULTIPLICATION TO SOLVE PROBLEMS</b>	To be able to estimate answers. To be able to consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method. To identify patterns of similar calculations, e.g. if I know $5 \times 9$ , I also know $0.5 \times 0.9$ , $90 \times 5$ , $90 \times 50$ etc. To be able to use solve multiplication calculations with up to 4 digits by a one digit number using a written method. To be able to solve multiplication problems.
10	<b>DIVISION TO SOLVE PROBLEMS</b>	To be able to estimate answers. To be able to consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method. To be able to use solve division calculations with up to 4 digits by a one digit number using a written methods. To be able to solve division problems. To use inverse to check answers. To solve word problems that involve multiplication and division.
11	<b>SHAPE AND POSITION AND DIRECTION</b>	To identify and compare acute, obtuse and reflex angles. To know how to use a protractor. To know that angles are measured in degrees. To draw given angles and measure them in degrees.



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		<p>To know what a polygon is.</p> <p>To sort regular and irregular polygons.</p> <p>To use the properties of rectangles to find missing lengths and angles.</p> <p>To measure and calculate the perimeter of rectangular shapes.</p>
12 & 13	TIME	<p>To read the time on both 12 hour and 24 hour clocks.</p> <p>To know the link between the 12 hour and 24 hour clock.</p> <p>To be able to write time in 12 hour and 24 hour clocks.</p> <p>To be able to convert time to a digital 12 hour and 24 hour clock.</p> <p>To be able to convert units of time e.g. seconds, minutes</p> <p>To be able to read and interpret information in timetables.</p> <p>To be able to solve problems involving time.</p>
14	STATISTICS	<p>To be able to understand what is continuous and discrete data.</p> <p>To read and interpret a range of scales – link to number line.</p> <p>To be able to read, complete and interpret information presented in tables, bar charts and pictograms.</p> <p>To solve problems involving data presented in a line graph.</p>