



Maths Medium Term

Year: 4

Term: Spring

Teacher: Miss Collins & Mrs Stein

<u>Week</u>	<u>Topic</u>	<u>Objectives</u>
Week 1	Number & Place Value to solve problems.	To be able to read and partition numbers up to 10,000 To be able to recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones) To be able to estimate answers through rounding to the nearest 10 and 100.
Week 2	Addition	To be able to use the most appropriate strategy to solve a calculation mentally, using a jotting or a written method. Add numbers with up to 4 digits using either an expanded or compact written method
Week 3	Subtraction	To be able to use the most appropriate strategy to solve a calculation mentally, using a jotting or a written method. Subtract numbers with up to 4 digits using an expanded or compact written method Use inverse to check the answer to calculations Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Week 4	Money	Revise coinage and notes Continue to recognise and use symbols for pounds (£) and pence (p) Understand that the decimal point separates pounds and pence To be able to estimate answers using rounding strategies. To be able to add two or more amounts of money using expanded or compact written methods To be able to subtract to find a price difference or to calculate change using an expanded or compact written method. To be able to add and subtract money to find totals and to give change to £2 To be able to count up (shopkeepers addition) to find change from notes Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Week 5	Measures - weight	<p>To be able to estimate, measure and compare mass g and kg</p> <p>To be able to read and interpret the scale on a range of measuring equipment</p> <p>To be able to add measure, compare, add and subtract masses using written methods for addition and subtraction.</p> <p>To be able to convert between Kg and g</p> <p>To be able to use inverse operation to check the answer to calculations.</p> <p>To be able to solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>
Week 6	Decimals	<p>To be able to count in tenths on counting stick</p> <p>To recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>To be able to identify the value of each digit to one decimal place</p> <p>To be able to read and write numbers with one decimal place</p> <p>To be able to partition numbers into ones and tenths (for example, $2.3 = 2 + 0.3$)</p> <p>To be able to order and compare numbers with one decimal place including on a number line</p> <p>To be able to divide a two -digit number by 10 to create decimals with one decimal place</p> <p>To be able to recognise and write decimal equivalents of any number of tenths e.g. $1/10 = 0.1$</p> <p>To be able to recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$</p> <p>To be able to solve problems involving ordering numbers to one decimal place</p>
Week 7	Fractions	<p>To be able to count up and down in $\frac{1}{2}$, $1/3$, $\frac{1}{4}$, $1/10$ to 10</p> <p>To be able to compare and order unit and non-unit fractions with the same denominator (including on a number line)</p> <p>To be able to recognise and show using diagrams, equivalent fractions with small denominators (e.g. $1/2$, $1/3$, $1/4$, $1/6$, $1/12$)</p> <p>To be able to solve problems involving fractions-</p> <p>To be able to recognise, find and write fractions of a discrete set of objects</p> <p>To be able to add fractions with the same denominator using diagrams to support.</p> <p>To be able to subtract fractions with the same denominator using diagrams to support.</p> <p>To be able to solve problems involving fractions to fractions to divide quantities</p>
Week 8	Multiplication to solve problems	<p>To be able to recall multiplication and division facts for the 7 x and 11 x tables</p> <p>To be able to use partitioning to double or halve any number, including decimals to one decimal place by partitioning and re-combining</p> <p>To be able to estimate answers and use the result to help check answers</p>

		<p>To be able to multiply two-digit or three-digit numbers by a one-digit number using an expanded written method</p> <p>To be able to use inverse to check the answer to calculations</p> <p>To be able to solve problems involving multiplying (and maybe adding)</p>
Week 9	Division to solve problems	<p>To understand division as sharing and grouping and use each appropriately</p> <p>To be able to estimate answers</p> <p>To know that division is the same as repeated subtraction.</p> <p>To be able to divide numbers up to 3 digits by a one-digit number using an expanded or written method of short division</p> <p>To be able to use inverse to check the answer to calculations</p>
Week 10	Shape	<p>To be able to identify horizontal and vertical lines and pairs of perpendicular and parallel lines-link to right angles</p> <p>To understand that area is a measure of surface within a shape</p> <p>To find the area of rectilinear shapes by counting squares</p>
Week 11	Position & Direction	<p>To be able to describe positions on a 2-D grid as coordinates in the first quadrant</p> <p>To be able to plot specified points and draw sides to complete a given polygon</p> <p>To be able to describe movements between positions as translations of a given unit to the left/right and up/down</p> <p>To be able to solve simple problems involving shape, direction or position</p>
Week 12	Problem Solving	<p>To be able independently to transfer knowledge and use it to solve problems</p> <p>To be able to work systematically to solve a given problem</p> <p>To be able to explain approach used to peers.</p>