



Maths Medium Term

Year: 3

Term: Summer

Teacher: Miss Walker

<u>Week</u>	<u>Topic</u>	<u>Objectives</u>
Week 1	Number and place value to solve problems	<ul style="list-style-type: none"> • Read and write numbers to at least 1000 in numerals and in words • Compare and order numbers to 1000 • Find 1, 10 or 100 more or less than a given number within 1000 • Recognise the place value of each digit in a three-digit number (hundreds, tens and ones) • Partition and re-partition 2 and 3 digit numbers to 1000 • Identify, represent and estimate numbers using different representations, including the number line • Solve problem with place value –link to measures, scales and comparing and ordering measurements /money
Week 2	Addition to 1000 to solve problems	<ul style="list-style-type: none"> • Ensure children think – can I do it in my head, with some jottings or by using a written method • Estimate the answer to a calculation • Use inverse operations to check the answers • Add two 3 digit numbers crossing the tens and/or hundred boundaries – column method of written recording (answer less than 1000) • Use inverse to check answers to calculations • Link to real life e.g. add amounts of money, using both £ and p in practical contexts



Maths Medium Term

		<ul style="list-style-type: none"> Solve problems involving and measures and simple problems involving passage of time
Week 3	Subtraction to 1000 to solve problems	<ul style="list-style-type: none"> Ensure children think – can I do it in my head, with some jottings or by using a written method Estimate the answer to a calculation Use inverse operations to check the answers Subtract a 2 or 3 digit number from a three digit number less than 1000 crossing the tens and hundreds boundaries – expanded method of written recording and possibly using a column method Use inverse to check answers to calculations Link to real life e.g. subtract amounts of money to give change, using both £ and p in practical contexts Solve problems involving and measures and simple problems involving passage of time
Week 4	Measures – Money to solve problems	<ul style="list-style-type: none"> Recognise coinage and bank notes Use £ or p Ensure children think – can I do it in my head, with some jottings or by using a written method Estimate the answer to a calculation Add and subtract amounts of money to give change, using both £ and p in practical contexts to £10



Maths Medium Term

		<ul style="list-style-type: none"> • Use inverse to check answers to calculations • Solve problems involving money
Week 5	Measures- capacity/volume to solve problems	<ul style="list-style-type: none"> • Read and write numbers to at least 1000 in numerals • Read and interpret the scale on a range of measuring equipment • Estimate, measure, compare volume/capacity • Ensure children think – can I do it in my head, with some jottings or by using a written method • Estimate the answer to a calculation • Add and subtract volume/capacity (l/ml) • Solve problems involving capacity
Week 6	Multiplication and division to solve problems	<ul style="list-style-type: none"> • Recall and use multiplication and division facts for the 2, 3, 4, 5 8 and 10 multiplication tables • Ensure children think – can I do it in my head, with some jottings or by using a written method • Estimate answers to calculations • Write and calculate number sentences for multiplication using the multiplication tables that they know, including for two-digit numbers multiplied by one-digit numbers, using mental and/or progressing to expanded written methods (supported by manipulatives and arrays) • Write and calculate number sentences for division using the multiplication tables that they know, including for two-digit numbers divided by one-digit



Maths Medium Term

		<p>numbers, using mental and progressing to expanded written methods (supported by manipulatives and arrays)</p> <ul style="list-style-type: none"> • Use inverse to check answers to calculations • Solve missing number problems involving multiplication or division • Solve positive integer scaling problems involving multiplications or division • Solve correspondence problems in which n objects are connected to m objects Involving multiplications or division
Week 7	Division to solve problems	<ul style="list-style-type: none"> • Recall and use facts for the, $3x$ $4x$ and $8s$ tables and related division facts • Write and calculate number sentences for $2x$, $5x$, $10x$, $4x$ and $8x$ table including division facts • Understand how division statements can be represented using arrays • Select a mental strategy appropriate for the numbers involved in the calculation • Understand division as sharing and grouping and use each appropriately • Ensure children think – can I do it in my head, with some jottings or by using a written method • Estimate answers to calculations • Write and calculate mathematical statements for division using the multiplication tables that they know, including for two-digit numbers divided by one-digit numbers, using mental and/or expanded written methods. (Supported by diagrams or manipulatives)



Maths Medium Term

		<ul style="list-style-type: none"> • Use inverse to check the answers to calculations • Solve problems involving money and measures including scaling problems (making an amount a number of times smaller)
Week 8	Fractions to solve problems	<ul style="list-style-type: none"> • Count up and down in $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{10}$ to 10 • Continue to recognise, find and name fractions of a set objects- thirds, halves, quarters and tenths, unit and non-unit fractions (whole number answers) • Continue to recognise and use fractions as numbers- thirds, halves, quarters and tenths unit and non-unit fractions with small denominators • Compare and order fractions with the same denominator • Recognise and show, using diagrams, equivalent fractions with small denominators • Link fractions of amounts to division by sharing • Ensure children think – can I do it in my head, with some jottings or by using a written method • Estimate the answer to a calculation • Introduce addition of fractions with the same denominator within one whole (practically and using diagrams) e.g. $\frac{2}{7} + \frac{4}{7} =$ • Introduce subtraction of fractions with the same denominator within one whole (practically and using diagrams) e.g. $\frac{5}{7} - \frac{1}{7} =$ • Solve problems involving fractions – link to use money or measurement



Maths Medium Term

Week 9	Shape and position and direction to solve problems	<ul style="list-style-type: none"> • Compare and sort common 2-D and 3-D shapes and everyday objects. (Year 2 objective) • Compare and sort common 2-D and 3-D shapes and everyday objects. (Year 2 objective) • Recognise that angles are a property of a shape or a description of a turn • Identify right angles and continue to relate them to turns • Identify whether angles are greater than or less than a right angle • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines • Solve problems involving shapes or position and direction
Week 10	Statistics to solve problems	<ul style="list-style-type: none"> • Construct scaled (in steps of 2,3 5 or 10) pictograms, bar charts and tables • Interpret pictograms, bar charts and tables • Solve one-step and two-step questions such as ‘How many more?’ and ‘How many fewer?’ using information presented in scaled bar charts, pictograms and tables • Solve problems involving statistics
Week 11	Measures – Time to solve problems	<ul style="list-style-type: none"> • Estimate and read time to a least the nearest five minutes • Record and compare time as seconds, minutes and hours • Use vocabulary of time • Ensure children think – can I do it in my head, with some jottings or by using written method • Estimate the answer to a calculation



Maths Medium Term

		<ul style="list-style-type: none">• Solve problems in involving time
Week 12	Assess and review.	