



Maths Medium Term Plan

Teacher: Mr Bramley

Class: 4

Year: 4/5

Term: Autumn

Week Beginning	Main Teaching		Outcomes		S.T.O.P.S Focus
	Year 4	Year 5	Year 4	Year 5	
1	Place Value	Place Value	Read and write Roman numerals to 100 (I to C)	Read, write Roman numerals to 1000 (M),	Act it out
2	Place Value	Place Value	Read and write numbers up to 1000 in numerals and in words recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) <i>count from 0 in multiples of 4, 8, 50 and 100;</i> find 1000 more or less than a given number order and compare numbers beyond 1000	read, write, order and compare numbers to at least 1000 000 and determine the value of each digit read, write, numbers to at least 1000 000 and determine the value of each digit.	Act it out
3	Place Value	Place Value	<i>Count from 0 in multiples of 4, 8, 50 and 100;</i> find 1000 more or less than a given number order and compare numbers beyond 1000	Order and compare numbers to at least 1000 000. <i>Count backwards through zero to include negative numbers</i> <i>Find 1000 more or less than a given number</i> Understand the effect of multiplying/dividing by 10 and 100, including 1- and 2-place decimal answers. Locate 2-place decimal numbers on a line. Add 2-place decimal numbers (money) mentally or using column addition. Use rounding to check answers and determine levels of accuracy.	Act it out
4	Addition and Subtraction	Addition and Subtraction	Add and subtract numbers mentally with increasingly large numbers add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	Add/subtract mentally with confidence, where numbers are less than 100 or the calculation relies upon simple addition/subtraction and place value, e.g. giving change. Subtract larger numbers using expanded or compact column subtraction, or by counting up. Subtract 1- and 2-place decimal numbers in context of money by counting up. Subtract larger numbers using expanded or compact column subtraction, or by counting up.	Trial and error



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5	Multiplication	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>use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 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>Know and recite all times tables incl. division facts; identify multiples &amp; factors + common factors of two nos. Solve problems involving multiplication, using knowledge of factors, multiples, squares and cubes. Multiply 2- and 3-digit numbers by 1-digit numbers using short multiplication or grid method.</p>	Trial and error
6	Division	Division	<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>use place value, known and derived facts to divide mentally, including: dividing by 1</p>	<p>Know and recite all times tables incl. division facts; identify multiples &amp; factors + common factors of two nos. Solve problems involving multiplication and division, using knowledge of factors, multiples, squares and cubes.</p> <p>Perform divisions mentally in range of tables (e.g. use division to find fractions).</p> <p>Divide 2, 3, 4-digit numbers by 1-digit numbers above tables range; choose and use efficient methods; interpret remainders appropriately according to context.</p>	Trial and error
7	Multiplication and Division	Multiplication and Division	<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>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>Solve problems involving multiplication and division, using knowledge of factors, multiples, squares and cubes</p>	Trial by improvement
8/9	Shape	Shape	<p>identify lines of symmetry in 2-D shapes presented in different orientations</p> <p>complete a simple symmetric figure with respect to a specific line of symmetry</p>	<p>Understand properties of rectangles and triangles; distinguish regular and irregular polygons, based on reasoning about equal sides and angles.</p>	Trial by improvement



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10	Fractions	Fractions	<p><i>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</i></p> <p>recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten</p> <p>count up and down in hundredths</p> <p>recognise and write decimal equivalents of any number of tenths or hundredths</p> <p>recognise and write decimal equivalents to <math>\frac{1}{4}</math>; <math>\frac{1}{2}</math>; <math>\frac{3}{4}</math></p> <p>compare numbers with the same number of decimal places up to two decimal places</p>	<p>Identify, name, write equivalent fractions; reduce fractions to simplest form, including tenths to fifths, etc.</p> <p>Compare and order fractions where the denominators are multiples of the same number.</p> <p>Recognise mixed no. and improper fractions &amp; convert from one to the other, writing mathematical statements.</p>	Trial by improvement
11	Measures and Data	Measures and data	<p>estimate, compare and calculate different measures, including money in pounds and pence</p> <p>measure and calculate the <b>perimeter</b> of a rectilinear figure (including squares) in centimetres and metres</p>	<p>Measure and compare capacities, weights and lengths; convert between different SI units.</p> <p>Understand and use approximate equivalences between common imperial and SI units.</p> <p>Begin to read scales of different types.</p> <p>Solve problems involving converting between units of time; use 12- &amp; 24-hour times, find time intervals; tell the time.</p> <p>Complete, read, interpret information in tables, timetables.</p> <p>Create and interpret line graphs, solving comparison, sum and difference problems.</p>	List or table
12	Mental and Written Calculations	Mental and Written Calculations	<p>Add/subtract mentally with confidence, where numbers are less than 100 or the calculation relies upon simple addition/subtraction and place value.</p> <p>Confidently add numbers with up to 4 or 5 digits using column addition, incl. 'piles' of numbers.</p> <p>Use rounding to check answers and determine levels of accuracy.</p> <p>Perform divisions mentally in range of tables; use remainders, fractions, decimal equivalences.</p>	<p>Add/subtract mentally with confidence, where numbers are less than 100 or the calculation relies upon simple addition/subtraction and place value. Confidently add numbers with up to 4 or 5 digits using column addition, incl. 'piles' of numbers.</p> <p>Use rounding to check answers and determine levels of accuracy.</p> <p>Perform divisions mentally in range of tables; use remainders, fractions, decimal equivalences.</p>	List or table



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13	<b>Problem solving and reasoning</b>	<b>Problem solving and reasoning</b>	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	Solve number problems and practical problems involving place value. Solve problems involving multiplication and division, using knowledge of factors, multiples, squares and cubes	<b>List or table</b>
14	<b>Assessment</b>	<b>Assessment</b>			<b>First look at Patterns</b>