

**Numeracy Medium term planning with differentiation.**

**Class 8. Year 2 (EXP) Autumn B**

Activities and groups adapted as necessary following ongoing formative assessments.

<u>Week</u>	<u>Starters</u>	<b>Green Group</b> <b>(HA)</b>	<b>Blue Group</b> <b>(MA)</b>	<b>Red Group</b> <b>(LA)</b>
		All below to be done mentally and independently unless stated otherwise.	All below to be done to be done with support as necessary, using pictorial representations unless stated otherwise.	All below to be done with support, using concrete apparatus unless stated otherwise.
1	<p><b>EMC:</b></p> <p>Count forwards and backwards to 20/50/100 from 0 and from any given number.</p> <p><b>Starter:</b></p> <p>Read numbers from 1 to 20 in words.</p> <p>Write numbers from 1 to 20 in words.</p> <p>Identify 1 less and 1 more than a given number.</p>	<p><b>Measurement - Money</b></p> <p>Recognise the symbols for pounds (£) and pence (p).</p> <p>Add money using coins.</p> <p>Subtract money using coins.</p> <p>Solve simple money addition problems using coins.</p> <p>Solve simple money subtraction problems using coins.</p> <p>Begin to combine amounts of money to make a particular value.</p>	<p><b>Measurement - Money</b></p> <p>Recognise the symbols for pounds (£) and pence (p).</p> <p>Add money using coins.</p> <p>Subtract money using coins.</p> <p>Solve simple money addition problems using coins.</p> <p>Solve simple money subtraction problems using coins.</p> <p>Begin to combine amounts of money to make a particular value.</p>	<p><b>Measurement - Money</b></p> <p>Recognise the symbols for pounds (£) and pence (p).</p> <p>Add money using coins.</p> <p>Subtract money using coins.</p> <p>Solve simple money addition problems using coins.</p> <p>Solve simple money subtraction problems using coins.</p> <p>Begin to combine amounts of money to make a particular value.</p>
2	<p><b>EMC:</b></p> <p>Count forwards and backwards to 20/50/100 from 0 and from any given number.</p>	<p><b>Measurement - Money</b></p> <p>Find different combinations of coins that equal the same amounts of money.</p> <p>Begin to solve problems involving giving</p>	<p><b>Measurement - Money</b></p> <p>Read numbers to 50 in numerals independently.</p> <p>Write numbers to 50 in numerals</p>	<p><b>Measurement - Money</b></p> <p>Read numbers to 50 in numerals independently.</p> <p>Write numbers to 50 in numerals independently.</p>

	<p>Count forward in 10's, 5's and 2's.</p> <p><b>Starter:</b> Identify various coins and understand their value.</p> <p>With a partner complete a simple subtraction by buying fruit and receiving change.</p> <p>Complete a simple addition by adding up the items in the shopping trolley.</p> <p>Coin bingo.</p>	<p>change.</p> <p>Solve simple problems involving addition and subtraction of money of the same unit.</p> <p>Find a variety of combinations of coins that equal the same amounts of money.</p> <p>Give change in a simple exchange.</p>	<p>independently.</p> <p>Partition 2 digit numbers using concrete apparatus with support as necessary.</p> <p>Begin to read and write numbers to 100 in numerals independently.</p> <p>Count in multiples of 10 independently.</p> <p>Count in multiples of 5 independently.</p> <p>Begin to count in multiples of 2 with support.</p>	<p>Partition 2 digit numbers using concrete apparatus with support.</p> <p>Begin to read and write numbers to 100 in numerals with support.</p> <p>Count in multiples of 10 independently with concrete apparatus.</p> <p>Count in multiples of 5 independently with concrete apparatus.</p> <p>Begin to count in multiples of 2 with support with concrete apparatus.</p>
3	<p><b>EMC:</b> Count to 100 forwards and backwards from 0 and any given number.</p> <p>Count backwards in 2, 5 and 10's.</p> <p><b>Starter:</b> Roll a dice - odd or even?</p> <p>Investigate odd and even numbers with</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p> <p>Recall doubles to 20.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p> <p>Recall doubles to 20.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p>

	<p>numicon.</p> <p>Prove it: If you add to even numbers the answer is always an even number.</p>	<p>Recall halves from 20.</p> <p>Recognise odd and even numbers to 50.</p> <p>Recall and use multiplication facts for the 10 times tables.</p> <p>Recall and use division facts for the 10 times tables.</p>	<p>Recall halves from 20.</p> <p>Recognise odd and even numbers to 50.</p> <p>Recall and use multiplication facts for the 10 times tables.</p> <p>Recall and use division facts for the 10 times tables.</p>	<p>Recall doubles to 20.</p> <p>Recall halves from 20.</p> <p>Recognise odd and even numbers to 50.</p> <p>Recall and use multiplication facts for the 10 times tables.</p> <p>Recall and use division facts for the 10 times tables.</p>
4	<p><b>EMC:</b></p> <p>Count to 100 forwards and backwards from 0 and any given number.</p> <p>Count forwards and backwards in 2's, 5's and 10's.</p> <p><b>Starter:</b></p> <p>Identify various patterns in numbers when counting in 2s, 5s or 10s.</p> <p>Build number bonds to 20 using concrete apparatus.</p> <p>Identify one more one less.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p> <p>Recall doubles to 20.</p> <p>Recall halves from 20.</p> <p>Recognise odd and even numbers to 100.</p> <p>Recall and use multiplication facts for the 10 times tables.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p> <p>Recall doubles to 20.</p> <p>Recall halves from 20.</p> <p>Recognise odd and even numbers to 100.</p> <p>Recall and use multiplication facts for the 10 times tables.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p> <p>Recall doubles to 20.</p> <p>Recall halves from 20.</p> <p>Recognise odd and even numbers to 100.</p>

		<p>Recall and use division facts for the 10 times tables.</p> <p>Recall and use multiplication facts for the 5 times table.</p> <p>Recall and use division facts for the 5 times table.</p> <p>Recall and use multiplication facts for 2 times table.</p> <p>Recall and use division facts for two times table.</p> <p>Recall and use multiplication and division facts for the 2, 5 &amp; 10 multiplication tables to solve simple problems.</p>	<p>Recall and use division facts for the 10 times tables.</p> <p>Recall and use multiplication facts for the 5 times table.</p> <p>Recall and use division facts for the 5 times table.</p> <p>Recall and use multiplication facts for 2 times table.</p> <p>Recall and use division facts for two times table.</p> <p>Recall and use multiplication and division facts for the 2, 5 &amp; 10 multiplication tables to solve simple problems.</p>	<p>Recall and use multiplication facts for the 10 times tables.</p> <p>Recall and use division facts for the 10 times tables.</p> <p>Recall and use multiplication facts for the 5 times table.</p> <p>Recall and use division facts for the 5 times table.</p> <p>Recall and use multiplication facts for 2 times table.</p> <p>Recall and use division facts for two times table.</p> <p>Recall and use multiplication and division facts for the 2, 5 &amp; 10 multiplication tables to solve simple problems.</p>
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<b>5</b>	<p><b>EMC:</b></p> <p>Count forwards and backwards in 2's, 5's and 10's.</p> <p>Count forward in 3s from 0 and 10's from a given number.</p> <p><b>Starter:</b></p> <p>Count forwards and backwards in 2's, 5's and 10's.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division of one number by another cannot be done in any order.</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division</p> <p>Re-write repeated addition as simplified</p>	<p><b>Number - Multiplication and Division</b></p> <p>Record work in a written form using mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Recognise mathematical symbols <math>\times</math>, <math>\div</math>, <math>=</math>.</p> <p>Begin to recognise that multiplication of two numbers can be done in any order.</p> <p>Begin to recognise that division</p>
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	<p>Recall doubles to 20.</p> <p>Recall halves under 20.</p>	<p>Re-write repeated addition as simplified multiplication statements.</p> <p>Recognise odd and even numbers to 50.</p> <p>Solve one step word problems that involve multiplication and division using concrete objects.</p> <p>Solve one step word problems that involve multiplication and division using pictorial representations.</p>	<p>multiplication statements.</p> <p>Recognise odd and even numbers to 50.</p> <p>Solve one step word problems that involve multiplication and division using concrete objects.</p> <p>Solve one step word problems that involve multiplication and division using pictorial representations.</p>	<p>of one number by another cannot be done in any order.</p> <p>Re-write addition statements as simplified multiplication statements.</p> <p>Recognise odd and even numbers to 50.</p> <p>Solve one step word problems that involve multiplication and division using concrete objects.</p> <p>Solve one step word problems that involve multiplication and division using pictorial representations.</p>
6	<p><b>Assessment Week!</b></p> <p>Chn to complete White Rose Assessment Paper 1 and 2 independently for assessment purposes.</p>			
7	<p><b>Christmas Week!</b></p> <p>Prove it - PV and 4 main operations.</p> <p>Prove it - Measurement: Money</p> <p>Christmas themed math challenge.</p>			

