



School name: \_\_\_\_\_ MATHS PLANNING YEAR A



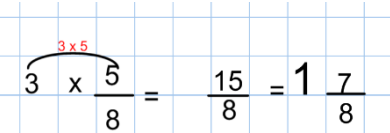
Teacher: \_\_\_\_\_ Class: \_\_\_\_\_ Year: 5 & 6 Term: Spring 1 Week Commencing: Week 2

Topic		NC Links: Pupils should be taught to:						
Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Mon	To be able to recall my 3x table and related division facts.	TMM	<p><b><u>L.O. To understand how to multiply pairs of fractions, writing the answer in its simplest form.</u></b></p> <p><u>Success Criteria:</u></p> <ol style="list-style-type: none"> <li>I must be able to multiply by the numerators first.</li> <li>I must then multiply by the denominators.</li> <li>I could find the highest common factor to simplify the fraction.</li> </ol>	<p>Recap with the children what we learnt last week. Explain to the children that there are three simple steps to multiply pairs of fractions.</p> <ol style="list-style-type: none"> <li>Multiply the top numbers (the <i>numerators</i>).</li> <li>Multiply the bottom numbers (the <i>denominators</i>).</li> <li><b>Simplify</b> the fraction if needed.</li> </ol> <p>Show You Tube clip.</p> <p>Work through example on the board, showing</p>	<p>LA – Year 6 Target Your Maths, p. 46, Section A.</p> <p>MA – Year 6 Target Your Maths, p. 46, Section B.</p> <p>HA – Year 6 Target Your Maths, p. 46, Section C.</p> <p>SEN – <b><u>L.O.</u></b></p>	<p>Fraction Numerator Denominator Common denominator Multiple Factor Simplify Multiply Divide</p> <p>Whole number Mixed number</p>	<p>Child teaches the rest of the class what they have learnt.</p> <p>White Rose Hub Maths Question.</p>	<p><b>Exceeding ARE:</b></p> <p><b>At ARE:</b></p> <p><b>Below ARE:</b></p> <p><b>SEND</b></p> <p><b>PPG</b></p> <p><b>EAL</b></p>

				<p>children how to set out their work.</p>				
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Explain that sometimes the word 'of; is used instead of the sign 'X' but that still complete the same steps.Go through some more examples.

White Rose  
Maths Hub/ No  
Problem!

Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Tues	To be able to recall my 3x table and related division facts.	TMM	<p><b><u>L.O. To understand how to multiply fractions and mixed number by a whole number.</u></b></p> <p>Success Criteria:</p> <ol style="list-style-type: none"> <li>I must be able to use repeated addition to multiply the numerator by the whole number.</li> <li>I should be able to convert a mixed number into a whole number and put the whole number over 1.</li> <li>I could simplify the answer.</li> </ol>	<p>Explain to children that multiplying fractions by whole numbers is super easy if you use repeated addition. Discuss what this means.</p> <p>Work through example together:  <math>3 \times \frac{5}{8} = \frac{5}{8} + \frac{5}{8} + \frac{5}{8} = \frac{15}{8} = 1 \frac{7}{8}</math>.</p> <p>Children to work through examples on the board on their whiteboards.</p> <p>Question children how else we could solve the problem using our timetables knowledge.</p>  <p>Explain how when presented with a mixed number, you should convert it into an improper fraction and put the whole number over 1. Show an example.</p>	<p>LA – Year 5 Target Your Maths, p. 63, Section A.</p> <p>MA – Year 5 Target Your Maths, p. 63, Section B.</p> <p>HA – Year 5 Target Your Maths, p. 63, Section C.</p> <p><b>SEN – L.O.</b></p>	<p>Fraction</p> <p>Numerator</p> <p>Denominator</p> <p>Common denominator</p> <p>Multiple</p> <p>Factor</p> <p>Simplify</p> <p>Multiply</p> <p>Divide</p> <p>Whole number</p> <p>Mixed number</p>	White Rose Hub Maths Question.	<p><b>Exceeding ARE:</b></p> <p><b>At ARE:</b></p> <p><b>Below ARE:</b></p> <p><b>SEND</b></p> <p><b>PPG</b></p> <p><b>EAL</b></p>

Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
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Wed	To be able to recall my 3x table and related division facts.	TMM	<p><b><u>L.O. To understand how to divide a fraction by a whole number.</u></b></p> <p><u>Success Criteria:</u></p> <ol style="list-style-type: none"> <li>I must be able to multiply the denominator of the fraction by the whole number.</li> <li>I should be able to simplify the fraction, if needed.</li> <li>I could apply my knowledge.</li> </ol>	<p>Recap what we learnt yesterday and children respond /reflect on feedback.</p> <p>Show a division sum on the board. Explain to the children that there are two steps: Step 1. Multiply the bottom number of the fraction by the whole number Step 2. <u>Simplify</u> the fraction (if needed).</p> <p>Show example of IWB and talk through each step.</p> <p>Work through example using pizzas to show how slices can be divided.</p> <p>Children to work through examples on the board on their whiteboards.</p>	<p>LA – Year 6 Target Your Maths, p. 47, Section A.</p> <p>MA – Year 6 Target Your Maths, p. 47, Section B.</p> <p>HA – Year 6 Target Your Maths, p. 47, Section C.</p> <p><b>SEN – L.O.</b></p>	<p>Fraction Numerator Denominator Common denominator Multiple Add Subtract Take away Minus Mixed number</p>	White Rose Hub Maths Question.	<p><b>Exceeding ARE:</b></p> <p><b>At ARE:</b></p> <p><b>Below ARE:</b></p> <p><b>SEND</b></p> <p><b>PPG</b></p> <p><b>EAL</b></p>

				Show another example. White Rose Maths Hub Question.				
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Day	Mental/Oral Starter		Main Lesson				Plenary	Assessment
	Objectives	Activity	Objectives	Teaching	Activities	Key Vocabulary	Activity	
Thurs	To be able to recall my 3x table and related division facts.	TMM	<p><b><u>L.O. To understand how to find a whole quantity given the quantity represented by a unit fraction.</u></b></p> <p><u>Success Criteria:</u></p> <ol style="list-style-type: none"> <li>1. I must be able to divide by the denominator.</li> <li>2. I should be able to multiply one amount by the denominator.</li> <li>3. I could apply my knowledge to word problems.</li> </ol>	<p>Recap what we learnt yesterday and children respond/reflect on feedback.</p> <p>Recap how to find fractions of amounts with the children. How would we calculate if we were given one quantity and wanted to find out the total?</p> <p>Go through some examples.</p> <p>White Rose Maths Hub Question.</p>	<p>LA – Year 6 Target Your Maths, p. 48, Section A.</p> <p>MA – Year 6 Target Your Maths, p. 48, Section B.</p> <p>HA – Year 6 Target Your Maths, p. 48, Section C.</p> <p><b>SEN – <u>L.O.</u></b></p>	<p>Fraction</p> <p>Numerator</p> <p>Denominator</p> <p>Common denominator</p> <p>Multiple</p> <p>Add</p> <p>Subtract</p> <p>Take away</p> <p>Minus</p> <p>Mixed number</p>	White Rose Hub Maths Question.	<p><b>Exceeding ARE:</b></p> <p><b>At ARE:</b></p> <p><b>Below ARE:</b></p> <p><b>SEND</b></p> <p><b>PPG</b></p> <p><b>EAL</b></p>

