

## Year 7 Mathematics

### Learning Programme 5

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| <p>The LORIC skill focus for his LP is: COMMUNICATION.<br/>The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears.<br/>Humility - Having a modest view of oneself.</p> <p><b>What will I be learning about in this Learning Programme?</b><br/>In LP5 I will be learning about proportion, fractions, percentages and probability.</p> <p><b>Where have I seen this learning before?</b><br/>LP2: addition and subtraction with fractions.</p> <p><b>What could I use it for?</b><br/>The knowledge and skills I will learn in this learning programme will allow me to solve problems involving fractions and percentages in real life situations. Later I will apply this to more complex problems involving money such as interest rates.</p> |  | <p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>Full stops must be used at the end of a sentence</li> <li>Question marks must be used at the end of a question</li> <li>Apostrophes should only be used for possession or omission</li> <li>Days of the week and months must be spelled correctly</li> <li>Key words must be spelled correctly</li> </ul> |
| <p><b>In LP5.1, I will know:</b></p> <p>how to divide a value into a given ratio;<br/>how to compare ratios and related fractions;<br/>how to solve simple proportion worded problems.</p>   | <p>11/05/26 - (WK 1)</p> <p>Proportion</p>         | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>In LP5.2, I will know:</b></p> <p>how to multiply a fraction by an integer;<br/>how to find the product of a pair of unit fractions;<br/>how to find the product of a pair of any fractions including by simplifying first.</p>  | <p>18/05/26 - (WK 2)</p> <p>Numerator</p>          | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>LP5 RLW, I will:</b></p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>   | <p>01/06/26 - (WK 1)</p>                           |   |
| <p><b>In LP5.3, I will know:</b></p> <p>how to divide a fraction by a unit fraction;<br/>how to divide any pair of fractions;<br/>how to use reciprocals.</p> <p>Extended Task.</p>  | <p>08/05/26 - (WK 2)</p> <p>Improper Fraction</p>  | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>In LP5.4, I will know:</b></p> <p>how to convert between fractions and decimals - tenth, hundredths, fifths and quarters;<br/>how to convert fluently between simple fractions, decimals and percentages;<br/>how to order fractions, decimals and percentages.</p>  | <p>15/06/26 - (WK 1)</p> <p>Percent</p>            | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>In LP5.5, I will know:</b></p> <p>the vocabulary of probability;<br/>how to find the probability of single events;<br/>how to use the probability scale and know that the sum of probabilities of all possible outcomes is 1.</p>  | <p>22/06/26 - (WK 2)</p> <p>Certain</p>            | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>In LP5.6, I will know:</b></p> <p>how to find the probability of mutually exclusive events;<br/>how to generate sample spaces for single events.</p> <p>Extended Task.</p>   | <p>29/06/26 - (WK 1)</p> <p>Mutually Exclusive</p> | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>In LP5.7, I will know:</b></p> <p>how to identify and represent sets;<br/>how to interpret and create Venn diagrams;<br/>how to find and use the intersection and union of sets.</p>   | <p>06/06/26 - (WK 2)</p> <p>Intersection</p>       | <p>Key Vocabulary</p> <p>Homework</p> <p>Sparx Maths Homework</p>   |
| <p><b>Resources to support learning:</b><br/>Use your knowledge organisers and Sparx Maths to further support with Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. You can also access any topic in the Independent Practice section on Sparx Maths. Please speak to your Mathematics teachers if you have any questions about how to use Sparx or any queries about login details.</p>   |  |   |
| <p><b>FFET Award Challenge for this Learning Programme:</b><br/>Find a cake recipe in a recipe book or online. Work out the quantities of each ingredient you would need to make it for your family to have enough. Present this as a poster or even better bake the cake and take a picture.</p>  |  |   |

