

Year 7 Mathematics

Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY. Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself. What will I be learning about in this Learning Programme? In LP5 I will be learning about proportion, fractions, percentages and probability.⌘ Where have I seen this learning before? LP2: addition and subtraction with fractions⌘ What could I use it for? 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.			Literacy: <ul style="list-style-type: none">• Capital letters must be used at the start of sentences and for the first letter of proper nouns• Full stops must be used at the end of a sentence• Question marks must be used at the end of a question• Apostrophes should only be used for possession or omission• Days of the week and months must be spelled correctly• Key words must be spelled correctly
In LP5.1, I will know:	12/05/25 - (WK 1)	Key Vocabulary	Homework
how to divide a value into a given ratio; how to compare ratios and related fractions; how to solve simple proportion worded problems.		Proportion	Sparx Maths LP4:7 topics plus consolidation
In LP5.2, I will know:	19/05/25 - (WK 2)	Key Vocabulary	Homework
how to multiply a fraction by an integer; how to find the product of a pair of unit fractions; how to find the product of a pair of any fractions including by simplifying first.		Numerator	Sparx Maths LP5:1 topics plus consolidation
LP5 RLW, I will:	02/06/25 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			Sparx Maths Consolidation
In LP5.3, I will know:	09/05/25 - (WK 2)	Key Vocabulary	Homework
how to divide a fraction by a unit fraction; how to divide any pair of fractions; how to use reciprocals. Extended Task.		Improper Fraction	Sparx Maths LP5:2 topics plus consolidation
In LP5.4, I will know:	16/06/25 - (WK 1)	Key Vocabulary	Homework
how to convert between fractions and decimals - tenth, hundredths, fifths and quarters; how to convert fluently between simple fractions, decimals and percentages; how to order fractions, decimals and percentages.		Percent	Sparx Maths LP5:3 topics plus consolidation
In LP5.5, I will know:	23/06/25 - (WK 2)	Key Vocabulary	Homework
the vocabulary of probability; how to find the probability of single events; how to use the probability scale and know that the sum of probabilities of all possible outcomes is 1.		Certain	Sparx Maths LP5:4 topics plus consolidation
In LP5.6, I will know:	30/06/25 - (WK 1)	Key Vocabulary	Homework
how to find the probability of mutually exclusive events; how to generate sample spaces for single events. Extended Task.		Mutually Exclusive	Sparx Maths LP5:5 topics plus consolidation
In LP5.7, I will know:	07/06/25 - (WK 2)	Key Vocabulary	Homework
how to identify and represent sets; how to interpret and create Venn diagrams; how to find and use the intersection and union of sets.		Intersection	Sparx Maths LP5:6 topics plus consolidation
Resources to support learning: Pupils have access to knowledge organisers and Sparx Maths to further support them in their Mathematics revision beyond the classroom. All weekly homework tasks will be set on Sparx Maths and all questions have a video to support. Pupils can access any topic in the Independent Practice section on Sparx Maths. Sparx Maths has been introduced to the pupils by their teachers and their login details should be written in their planner.			
FFET Award Challenge for this Learning Programme: Complete 4 XP Boost or Target Tasks on Sparx Maths			

PRT Task 1

PRT Task 2