Year 7 Foundation Topic Overview - Spring Term



Spring 1 - Add, Subtract, Multiply and Divide

Unit	Торіс	MathsWatch Video			
Problems with Addition and Subtraction	Use formal methods for addition of integers	<u>N3b</u>	<u>N13a</u>		
	Use formal methods for addition of decimals	<u>N13b</u>			
	Use formal methods for subtraction of integers	N4b	<u>N14a</u>		
	Use formal methods for subtraction of decimals	<u>N14b</u>			
	Mental strategies of addition and subtraction	<u>N3a</u>	<u>N4a</u>		
	Solve problems in the context of perimeter	<u>G8b</u>			
	Solve financial maths problems	<u>N7c</u>			
	Solve problems involving tables and timetables	<u>N21b</u>			
	Solve problems with frequency trees	<u>57</u>			
	Solve problems with bar charts and line charts	<u>S2a</u>	<u>S2b</u>		
LEARNING LANDMARK 2					
	Explore multiplication and division in algebraic expressions	<u>A7a</u>	<u>A7b</u>		
vision	Understand and use factors	<u>N10</u>			
	Understand and use multiples	<u>N11</u>			
nd Di	Multiply and divide by powers of 10	<u>N17a</u>	<u>N17b</u>		
tion a	Convert metric units	<u>N7a</u>	<u>R2</u>		
Solving problems with Multiplication and Division	Use formal methods to multiply integers	<u>N28a</u>			
	Use formal method to multiply decimals	<u>N28b</u>			
	Use formal methods to divide integers	<u>N29a</u>			
blem	Use formal method to divide decimals	<u>N29b</u>			
ig pro	Understand and use order of operations	<u>N20</u>			
Solvir	Solve problems using area of rectangles and parallelograms	<u>G20a</u>	<u>G20b</u>		
	Solve problems using area of a triangle	<u>G20c</u>			
	Solve problems using the mean	<u>S</u>	57		

Spring 2 - Fractions, Percentages and Directed Numbers

Unit	Торіс	MathsWatch Video
Fractions/ percentages of amounts	Find a fraction of an amount	<u>N33</u>
	Use a fraction of an amount to find original amount	
	Find a percentage of an amount without a calculator	<u>N24b</u>
	Find a percentage of an amount using a calculator	<u>87</u>
Directed number	Order directed numbers	<u>N2a</u>
	Add and subtract directed numbers	<u>N19a</u>
	Multiply and divide directed numbers	<u>N19b</u>
	Substitute directed numbers into expressions	<u>95</u>
	Solve two step equations	<u>A12</u>
	Use hierarchy of operations with directed numbers	<u>N20</u>
Addition and subtraction of fractions	Understand representations of fractions	<u>N23a</u>
	Convert between mixed numbers and improper fractions	<u>N35</u>
	Equivalent fractions	<u>N23b</u>
	Add and subtract fractions	<u>N36</u>