

Year 7 Higher Topic Overview - Spring Term



Spring 1 - Add, Subtract, Multiply and Divide

Unit	Topic	MathsWatch Video	
Problems with Addition and Subtraction	Use formal methods for addition of integers	N3b	N13a
	Use formal methods for addition of decimals	N13b	
	Use formal methods for subtraction of integers	N4b	N14a
	Use formal methods for subtraction of decimals	N14b	
	Mental strategies of addition and subtraction	N3a	N4a
	Solve problems in the context of perimeter	G8b	
	Solve financial maths problems	N7c	
	Solve problems involving tables and timetables	N21b	
	Solve problems with frequency trees	S7	
	Solve problems with bar charts and line charts	S2a	S2b
	Addition and subtraction in standard form	83	
LEARNING LANDMARK 2			
Solving problems with Multiplication and Division	Explore multiplication and division in algebraic expressions	A7a	A7b
	Understand and use factors	N10	
	Understand and use multiples	N11	
	Multiply and divide by powers of 10	N17a	N17b
	Convert metric units	N7a	R2
	Use formal methods to multiply integers	N28a	
	Use formal method to multiply decimals	N28b	
	Use formal methods to divide integers	N29a	
	Use formal method to divide decimals	N29b	
	Understand and use order of operations	N20	
	Solve problems using area of rectangles and parallelograms	G20a	G20b
	Solve problems using area of a triangle	G20c	
	Solve problems using area of trapezia	G20d	
	Solve problems using the mean	S7	

Spring 2 - Fractions, Percentages and Directed Numbers

Unit	Topic	MathsWatch Video	
Fractions/percentages of amounts	Find a fraction of an amount	N33	
	Use a fraction of an amount to find original amount		
	Find a percentage of an amount without a calculator	N24b	
	Find a percentage of an amount using a calculator	87	
Directed number	Order directed numbers	N2a	
	Add and subtract directed numbers	N19a	
	Multiply and divide directed numbers	N19b	
	Substitute directed numbers into expressions	95	
	Solve two step equations	A12	
	Use hierarchy of operations with directed numbers	N20	
	Understand that positive numbers have more than one square root	81	
Addition and subtraction of fractions	Understand representations of fractions	N23a	
	Convert between mixed numbers and improper fractions	N35	
	Equivalent fractions	N23b	
	Add and subtract fractions	N36	
	Add and subtract mixed numbers	N41	