

Year 10 Foundation A Scheme of learning 2023-2024 - Term 2

Stretch key learning in italics

Topic	Key learning	Mathswatch clips	☹	😐	😊
Proportion	Convert between currencies	105			
	Solve recipe and best buy problems	39 & 41			
	Solve proportion problems using the unitary method	39 & 41			
	<i>Solve problems involving direct and inverse proportion</i>	42			
Mocks 2 weeks					
Probability 1	Write probabilities in words or fractions, decimals and percentages				
	Record outcomes of probability experiments in tables	59			
	Know that the probabilities of an experiment add to 1	14			
	List outcomes for single events	58			
	<i>Work out probabilities from two way tables</i>	126			
February half term					
Probability 2	Find the probability of an event happening using relative frequency	59			
	List all outcomes for combined events systematically	58			
	Work out probabilities from Venn diagrams	127a & 127b			
	<i>Use tree diagrams to calculate the probability of two independent events</i>	151 & 175			
	<i>Use tree diagrams to calculate the probability of two dependent events</i>	151 & 175			
Pythagoras and trigonometry	Calculate the length of the hypotenuse in a right-angled triangle using Pythagoras and trigonometry	150a, 150b, 168			
	Find the length of a shorter side in a right-angled triangle using Pythagoras and trigonometry	150a, 150b, 168			
	Find angles of elevation and depression	150a, 150b, 168			
	Solve problems with Pythagoras and Trigonometry	150a, 150b, 168			
Angles in polygons	Find angles on straight lines, in a triangle, around a point and parallel lines	45, 120, 121			
	Calculate and use the sums of the interior and exterior angles of polygons	123			
Easter Holidays					