

Year 7 Higher Tier Topics Overview - Summer Term



Summer 1 - Fractions, Constructions and Angles

Unit	Topic	MathsWatch Video
Addition and Subtraction of Fractions	Add and subtract improper fractions and mixed numbers	N41
	Use fractions in algebraic contexts	A12
	Adding/subtracting decimals and fractions	N32
Constructing and Measuring	Labelling lines and angles	
	Identify parallel and perpendicular lines	G1
	Measure and draw angles	G10b G10c
	Recognise types of triangle and quadrilateral	G14 G16
	Construct triangles using SSS, SAS and ASA	47 147
	Identify polygons	G11
	Interpret and draw pie charts	S9
Geometric Reasoning	Angles around a point and on a straight line	G13
	Vertically opposite angles	
	Angles in a triangle	G17

Summer 2 - Angles, Number and Sets

Unit	Topic	MathsWatch Video
Geometric Reasoning	Angles in a quadrilateral	
	Solve angle problems involving triangles and quadrilaterals	G17
	Angles in polygons	G19
	Angles in parallel lines	G18
Developing Number Sense	Mental strategies for four operations for integers	N3a N4a
	Mental strategies for four operations for decimals	
	Mental strategies for four operations for fractions	
	Estimation	N43a N43b
	Using number facts to derive others	
END OF YEAR ASSESSMENT		
ACTIVITIES WEEK		
Sets	Venn diagrams	P6
	Set notation - union	127b
	Set notation - intersection	127b
	Set notation - complement	127b
Venn Diagrams and Probability	Vocabulary of probability	P1
	Sample spaces	S9
	Probability of a single event	S9
	Probability scale	14
	Understand sum of probabilities add to 1	60