



Year 10 Summer Assessment 2022 – Revision Checklist



TOPIC	TEXTBOOK REF.	LEARNING INTENTIONS	
27 Algebra Formulae	Chapter 10	<ul style="list-style-type: none"> • Multiply out brackets, including negative terms. • Construct and use simple algebraic formulae. • Work out formula for a sequence. • Understand the idea of nth term. 	
31 Ratio	Chapter 5	<ul style="list-style-type: none"> • Write a ratio. • Simplify a ratio. • Divide a quantity into a given ratio. • Understand and use map ratios and scales. • Understand direct proportion. 	
32 Area 2	Chapter 7	<ul style="list-style-type: none"> • Know and use the formulae for area of a triangle and parallelogram. • Find the area of compound shapes. • Understand and use squares and square roots. 	
33 Transformations (1)	Chapter 11	<ul style="list-style-type: none"> • Understand how to reflect a shape in a mirror line. • Translate a shape using a vector. • Rotate a shape through 90°, 180°, 270° about (0,0). • Describe transformations fully. 	
34 Scale Drawings	Chapter 20	<ul style="list-style-type: none"> • Draw and use scale drawings. • Understand and use angles of elevation and depression. • Understand, use and draw 3 figure bearings. 	
35 The Circle	Chapter 9	<ul style="list-style-type: none"> • Use and understand the language of a circle. • Calculate the circumference and area of a circle. • Calculate the perimeters and areas of shapes, including sectors. 	
36 Algebra – Equations and Inequalities	Chapters 12 and 17	<ul style="list-style-type: none"> • Solve simple equations involving fractions. • Understand and use inequality symbols. • Solve inequalities. • Represent solutions on a number line. 	
37 Enlargements	Chapter 19	<ul style="list-style-type: none"> • Enlarge a shape by a positive scale factor about a centre of enlargement. • Find the centre of enlargement given the object and image. 	
38 Family Finance	Family Finance Booklet	<ul style="list-style-type: none"> • Complete percentage change, discount and compound interest calculations. • Complete calculations involving currency exchange. 	

39 Pythagoras' Theorem	Chapter 21	<ul style="list-style-type: none"> • Find the hypotenuse of a right-angled triangle. • Find the shorter side of a right-angled triangle. • Find lengths in an isosceles triangle. 	
40 Straight Line Graphs	Chapter 13	<ul style="list-style-type: none"> • Draw straight line graphs. • Identify the equation of straight line graphs. • Find the gradient and y intercept from a straight line graph. 	
41 Travel Graphs	Chapter 22	<ul style="list-style-type: none"> • Understand and use Speed, Distance and Time. • Interpret and draw travel graphs. 	
42 Prisms	Chapter 18	<ul style="list-style-type: none"> • Understand the terms cross-section and prism. • Calculate the volume of a prism, including a cylinder. • Use the formula for Density, Mass and Volume. 	
43 Continuous Data	Chapter 15	<ul style="list-style-type: none"> • Understand the meaning of continuous data and class boundaries. • Draw frequency diagrams for continuous data. • Calculate mean and median for continuous data. • Identify the modal class. 	