



Year 10 Winter Assessment 2025 – Revision Checklist



Topic	Text Book Ref.	Learning Intentions
1 Ratios	1	Write and simplify a ratio.
		Divide a quantity into a given ratio.
		Calculate unknowns with ratios.
		Understand and use map ratios and scales.
		Understand direct and inverse proportion.
		Solve problems involving direct and inverse proportion.
2 Area of a Trapezium and Compound Area	1	Calculate the area of a trapezium.
		Find missing measurements of a trapezium if given the area.
		Calculate perimeters and area of compound shapes.
3 Transformations	1	Understand how to reflect a shape in a mirror line.
		Translate a shape using a vector.
		Rotate a shape through 90°, 180° and 270° about (0,0).
		Enlarge a shape by a scale factor (positive whole number OR positive fractional) about a centre of enlargement.
		Find the centre of enlargement, given the object and image.
		Describe transformations fully.
4 Equations and Inequalities	1	Solve simple equations involving fractions.
		Understand and use the inequality symbols.

		Solve inequalities.
		Represent solutions on a number line.
5 Bearings and Scale Drawings	1	Draw and measure three-figure bearings.