



## Year 9 Summer Assessment 2025 – Revision Checklist



Topic	Text Book Ref.	Learning Intentions
<b>1</b> <b>Area of Shapes and Compound Area</b>	<b>1</b>	<ul style="list-style-type: none"> <li>Understand and use metric units of area.</li> </ul>
		<ul style="list-style-type: none"> <li>Calculate perimeters and areas of rectangles and squares.</li> </ul>
		<ul style="list-style-type: none"> <li>Calculate the areas of triangles and parallelograms.</li> </ul>
		<ul style="list-style-type: none"> <li>Calculate perimeters and areas of compound shapes.</li> </ul>
		<ul style="list-style-type: none"> <li>Understand the use of square roots.</li> </ul>
		<ul style="list-style-type: none"> <li>Find missing measurements given the area.</li> </ul>
<b>2</b> <b>Averages from a Frequency Table</b>	<b>1</b>	<ul style="list-style-type: none"> <li>Calculate the three averages [mean, median and mode] from a frequency table.</li> </ul>
		<ul style="list-style-type: none"> <li>Decide which average is best to use.</li> </ul>
		<ul style="list-style-type: none"> <li>Compare different sets of data.</li> </ul>
		<ul style="list-style-type: none"> <li>Calculate and understand the range.</li> </ul>
<b>3</b> <b>Algebra 1 - Equations</b>	<b>1</b>	<ul style="list-style-type: none"> <li>Simplify algebraic expressions.</li> <li>Form equations from written information.</li> <li>Solve equations with x on both sides.</li> </ul>
<b>4</b> <b>3D Shapes and Volume</b>	<b>1</b>	<ul style="list-style-type: none"> <li>Draw cubes and cuboids on isometric paper.</li> <li>Draw nets of cubes and cuboids.</li> <li>Understand and use plans and elevations.</li> <li>Calculate volume of cubes and cuboids.</li> <li>Change units of volume.</li> </ul>
<b>5</b> <b>Polygons</b>	<b>1</b>	<ul style="list-style-type: none"> <li>Recognise and name polygons.</li> <li>Understand and use interior and exterior angles.</li> </ul>

		<ul style="list-style-type: none"> <li>• Calculate missing angles in a polygon.</li> </ul>
		<ul style="list-style-type: none"> <li>• Understand tessellations.</li> </ul>
<b>6</b> <b>Standard Form, Indices and Significant Figures</b>	2	<ul style="list-style-type: none"> <li>• Understand and use index notation and the laws of indices, including zero and negative indices.</li> <li>• Change between standard form and ordinary numbers.</li> <li>• Round numbers to significant figures and decimal places.</li> </ul>
<b>7</b> <b>Fractions – Multiplication and Division</b>	2	<ul style="list-style-type: none"> <li>• Multiply whole numbers, fractions and mixed numbers by one another.</li> <li>• Divide by a fraction or mixed number.</li> <li>• Understand and use the word reciprocal.</li> </ul>
<b>8</b> <b>Probability and Possibility Spaces</b>	2	<ul style="list-style-type: none"> <li>• Calculate the probability of an event <b><u>NOT</u></b> happening.</li> <li>• Draw a possibility space.</li> <li>• Use a possibility space to calculate probabilities.</li> </ul>
<b>9</b> <b>Algebra 2 – Expanding Brackets and Solving Equations</b>	2	<ul style="list-style-type: none"> <li>• Multiply out brackets, including negative terms.</li> <li>• Solve equations involving brackets.</li> <li>• Construct and use simple algebraic formulae using brackets.</li> </ul>
<b>10</b> <b>Fractions and Percentages</b>	2	<ul style="list-style-type: none"> <li>• Find fractions and percentages of quantities.</li> <li>• Write one quantity as a fraction of another.</li> <li>• Change between percentages, decimals and fractions.</li> <li>• Perform calculations involving percentage change.</li> </ul>