



Year 8 Summer Assessment 2025 – Revision Checklist



Topic	Text Book Ref.	Learning Intentions
1 Number Skills and Sequences	1	<ul style="list-style-type: none"> Addition, Subtraction, Division and Multiplication of whole numbers. Understand Order of Operations. Recognise prime, square and cube numbers. Know the difference between multiples and factors. Spot patterns in lists of numbers.
2 Introducing Geometry	1	<ul style="list-style-type: none"> Understand and use degrees. Estimate angles. Measure angles using a protractor. Identify different types of angles. Calculate missing angles in a diagram.
3 Introduction to Algebra (1)	1	<ul style="list-style-type: none"> Understand that letters can represent unknown values. Understand and combine like terms to simplify expressions. Solve equations. Substitute numbers for letters in an expression.
4 Collecting and Displaying Data	1	<ul style="list-style-type: none"> Organise data using tally charts. Draw and understand bar charts, pictograms, two-way tables, and pie charts. Understand discrete data and how to group it.
5 Prime Factors, HCF and LCM	1	<ul style="list-style-type: none"> Write a number as a product of prime factors. Find HCF/LCM of 2 or more numbers through listing and prime factorisation. Solve problems involving HCF/LCM.
6 Co-ordinates	2	<ul style="list-style-type: none"> Understand both negative and positive axes. Plot, write down and draw shapes involving positive and negative co-ordinates.

7 Symmetry	2	<ul style="list-style-type: none"> • Understand and find lines of symmetry in a shape. • Understand and find order of rotational symmetry of a shape. • Find planes of symmetry in a 3-D shape.
8 Fractions, Decimals and Percentages	2	<ul style="list-style-type: none"> • Understand and use numerators, denominators, and equivalent fractions. • Write a fraction as a decimal/percentage and vice versa. • Find a fraction of a quantity. • Add and subtract fractions/decimals. • Use mixed numbers and improper fractions. • Multiply and divide decimals. • Round numbers to a certain number of decimal places.
9 Angles and Constructions	2	<ul style="list-style-type: none"> • Construct triangles using compass and protractor. • Identify and name different types of triangles and quadrilateral. • Construct perpendicular and angle bisectors.
10 Introduction to Algebra (2)	2	<ul style="list-style-type: none"> • Multiply algebraic terms together. • Further simplification and substitution. • Solve equations involving fractions. • Solve equations needing more than one step.
11 Measure and Metric Units	3	<ul style="list-style-type: none"> • Understand and use metric units of length, mass, and time. • Be familiar with Imperial System. • Convert from one metric unit to another.
12 Averages from a list of Numbers	3	<ul style="list-style-type: none"> • Calculate the three averages (mean, median and mode) for a list of numbers. • Calculate the range for a list of numbers.
13 Parallel Lines and Angles	3	<ul style="list-style-type: none"> • Understand the term parallel. • Understand and use corresponding, alternate, and interior angles. • Solve problems involving these angles.
14 Negative Numbers	3	<ul style="list-style-type: none"> • Understand and use negative numbers in real-life context. • Use $<$ and $>$ signs. • Add, subtract, multiply and divide with negative numbers. • Use a formula to generate answers and use negative numbers in formulae.