

Year 8 (Foundation)

Learning Landmark (LL) assessments:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
LL1: Baseline Test reviewing previous year's content	LL2: Theme 1: Number & Calculation.	LL3: Theme 2: Shape & Angle	LL4: Theme 3&4: FDP and Algebra	LL5: Theme 5&6: Ratio & Proportion and Sequences	LL6: Theme 7&8: Data & Probability and Geometry.

Content Covered:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme 1: Number and Calculation	Theme 2: Shapes & Angles	Theme 4: Algebra	Theme 5: Ratio & Proportion	Theme 6: Sequences	Theme 8: Geometry
Ordering integers and decimals	Constructing triangles, and other shapes, from written descriptions (ASA and SAS)	Reading and writing algebraic statements including inequalities	Simplifying ratios	Linear sequences	Perimeter of 2D shapes
Placing integers and decimals on a number line	Constructing triangles when all three sides known (SSS)	Simplify an expression by collecting like terms	The connections between ratios and fractions	Non-linear sequence	Calculate the area of triangles
Using the signs <, > and = to compare numbers	Naming 3D shapes and knowing their properties	Manipulating expressions and the distributive law	Describing a comparison of measurements or objects with ratio notation	Linear (arithmetic) number patterns to solve problems	Calculate the area of a parallelogram
Add, subtract and multiply using a written method (whole and decimals)	3-D shapes from nets	Substituting positive numbers into expressions and formulae	Dividing a quantity in two parts in a given part: part ratio	Different types of number patterns (squares, cubes and triangular numbers)	Calculate the area of trapezium
Transforming a decimal multiplication to a multiplication with integers	Nets of 3-D shapes	Given a function, establish outputs from given inputs and inputs from given outputs	Dividing a quantity in two parts in a given part: whole ratio	Theme 7: Data & Probability	Calculate the area of composite shapes
Dividing including remainders and recurring decimals	Unknown angles in triangles and quadrilaterals	The meaning of the equals sign	Simple problems involving a ratio a:b and one known value	The vocabulary of probability	Understand shapes with the same area can have different perimeters
Multi-step problems	Find missing angles where they meet at a point	Solving linear equations (one step and two step)	Simple proportion problems	The 0-1 scale to measure probability	Calculate the surface area of cuboids
Order of operations to multi-step calculations (BODMAS)	Find missing angles where they meet on a straight line		Proportion recipe questions	Theoretical probabilities for events with equally likely outcomes	Calculate the volume of cubes and cuboids

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Add and subtract negative numbers	Find missing angles where they are vertically opposite		Converting metric units of length	Listing outcomes for an experiment	
Square and cube numbers	Corresponding sides of 2D shapes		Converting metric units of mass	Mode and median of a set of data	Theme 9: Transformations & Graphs
Prime numbers	Theme 3: Fraction, Decimal & Percentage		Converting units of time	Mode from a frequency table	
Factor trees to find prime factors	Simplify fraction to their lowest term		Converting units of money	Tally charts	Locating a midpoint of a line from a drawn line or two coordinates
Common factors and Highest Common Factor (HCF)	Decimal and fraction equivalents		Scale diagrams, including maps	Bar charts	The equation of a line parallel to the x-axis or the y-axis
Common multiples and Lowest Common Multiples (LCM)	Percentages as a fraction		Scaling in diagrams	Graphs of time series	Drawing the lines $y = x$ and $y = -x$
Numerical expressions involving powers and roots, including root symbols	Equivalences between fractions, decimals and percentages				Translations
Fraction to a decimal	Decide if a fraction is terminating or recurring				Reflections
Rounding a number to a specified number of decimal places	Ordering fractions including mixed fractions				Rotations
Rounding a number to one significant figure	Adding and subtracting fractions				
	Multiplying proper and improper fractions				
	Dividing a proper fraction by a whole number				
	Percentage of an amount				