

GCSE Foundation / Higher	Handling Information and Data Calculate median & mode. Use mean, median, mode, range to compare 2 sets of data. Estimate the mean of a grouped frequency distribution from discrete data. Express probabilities as fractions, decimals, percentages. Probability of combined events. Draw & interpret scatter diagrams - positive / negative correlation.	Common Measures, Shape and Space Money: compound interest. Conversion: metric & imperial. Compound measures: speed, density, rates of pay. Perimeter & area of triangles, circles & composite shapes. Volume & surface area of 3D shapes. Draw 3D shapes including plans & elevations. Actual dimensions from scale drawings & draw scale diagram. Coordinates in 2D, positive & negative. Calculate values of angles/coordinates with 2D/3D shapes.	Using Numbers Evaluate expressions & make substitutions in given formulae. Equivalent fractions, decimals, percentages. Express one amount as a percentage / fraction of another. Calculate percentage change & original value after percentage change. Calculate with decimals (3dp). Proper fractions, improper fractions, mixed numbers. Ratios, direct & inverse proportion.	Level 2 Strengthens skills in complex calculations, fractions, percentages, and ratios, explores shape, scale, and measures, and analyses data using probability, statistics, and graphs for real-life contexts
	Using Numbers Use & calculate with positive numbers, negative numbers, decimals, fractions, percentages. Multiply & divide whole numbers & decimals by 10, 100, 1000. Use simple formulae. Calculate square numbers. Follow order of operations. Simple percentage increases & decreases (multiples of 5%) Fractions of a quantity. Simple ratio & direct proportion.	Common Measures, Shape and Space Simple interest & discounts. Convert between units of length, weight, capacity, money, time. Use simple scales on maps & drawings. Area & perimeter of simple shapes, volumes of cubes & cuboids. Interpret plans, elevations, nets of simple 3D shapes. Draw 2D shapes, line symmetry & relative size of angles. Measure & use angles when describing position & direction.	Handling Information and Data Represent discrete data in tables, pie charts, bar charts, line graphs. Group discrete data and represent grouped data graphically. Find the mean and range of a set of quantities. Probability on a scale from 0 to 1, compare likelihood of events. Find probabilities of simple events & express them as fractions.	
Level 1 Builds skills in decimals, percentages, ratios, and measures, applies knowledge to perimeter, area, and volume, and interprets charts, tables, and graphs to solve practical problems.	Handling Information and Data Extract information & create frequency tables from lists, tables, diagrams, charts. Interpret & compare information from bar charts & simple line graphs. Represent information in tables, diagrams, simple line graphs, simple bar charts.	Common Measures, Shape and Space Calculate with money, & round to nearest £1 or 10p. Read time (analogue & 24hr) Compare metric measures. 2D & 3D shapes: lines of symmetry, right angles. Appropriate positional vocab & 8 compass points.	Using Numbers Whole numbers up to 1000. Add & subtract (3-digits). 3-digit by 1-digit & 2-digit division & express remainders. 2-digit by 1-digit & 2-digit multiplication. Round to nearest 10, 100. Use decimals up to 2dp. Fractions: thirds, quarters, fifths, tenths & equivalents. Continue linear sequences.	Entry Level 3 Extends understanding of fractions, money, measures, and time, explores 2D/3D shape properties and introduces charts and tables to support everyday decision-making.
	Using Numbers Whole numbers up to 100. Add and subtract (2-digits). 2-digit by 1-digit division & express remainders. Multiply whole numbers 0x0 to 12x12. Use decimals to 1dp. Round to nearest 10. Recognise simple fractions (halves, quarters, tenths)	Common Measures, Shape and Space Use metric measures - length, weight, capacity. Simple calculations with money. Names & properties of common 2D and 3D shapes. Analogue time: hours, half hours, & quarter hours. 24 hr clock - read hours.	Handling Information and Data Extract information from lists, tables, diagrams, bar charts. Make numerical comparisons from bar charts. Take information from one format, and represent in another format.	
Entry Level 2 Develops whole number skills, simple multiplication/division, recognising and describing 2D/3D shapes, and interpreting basic data from lists, tables, and diagrams for everyday problem-solving.	Handling Information and Data Read numerical information from lists. Read and draw simple charts and diagrams, including a tally chart, block diagram & graph.	Common Measures, Shape and Space Recognise common 2D and 3D shapes. Recognise coins and notes. Simple time (hours, days of the week, months, seasons) Describe & compare size, length, weight, capacity etc.	Using Numbers Read, write, and order numbers up to 20. Add numbers which total up to 20 and subtract from numbers up to 20.	Entry Level 1 Introduces basic counting, simple addition/subtraction, recognising shapes, and reading simple information, helping learners build confidence in handling everyday number, shape, and data tasks.

Maths Learning Journey