Unit Title	Number Topics L1	Number Topics L2 (In addition to L1 objectives)	Handling Data Topics L1	Handling Data Topics L2 (In addition to L1 objectives)		
No. Weeks			1 Week	2 Weeks		
Overview KS4	• Read, write, order and compare large numbers up to one million • Recognise negative numbers, e.g. temperature • Approximate whole numbers by rounding • Approximate decimals by rounding to a whole number, 10,100,1000 • or one or two decimal places • Add and subtract using three digit whole numbers • Multiplying and divide whole numbers and decimals by 10,100,1000 • Multiply 2 digit whole numbers by single and double digit whole numbers. (Long multiplication) From E3 content. • Multiply whole numbers 0x0 to 12x12 and calculate square numbers • Divide 3 digit whole numbers by single and double digit whole numbers • Solve problems involving positive numbers, using the standard order of operations to solve multi-step calculations • Add subtract multiply and divide decimals up to 2 decimal places	• Order and compare any size positive and negative numbers • Round decimals when solving practical problems • Includes indices • Order, approximate and compare decimals • Add subtract multiply and divide decimals up to 3 decimal places	• Use the vocabulary of probability to discuss the likelihood of events • Express the likelihood of an event using fractions, and on a scale of 0 to 1 • Calculate and make statements about the Mean and Range • Collect, organise and represent discrete data, e.g. tables, diagrams, charts, line graphs , Bar graphs and pie charts.	• Identify the range of possible outcomes of combined events and record using diagrams or tables including two-way tables • Express probability as fractions, decimals and percentages • Calculate and make statements about the Mean and Range and Median and Mode • Estimate mean. • + scatter graphs and recognise positive and negative correlation	• Convert between units of length, weight, capacity, money and time in the same • Work out area, perimeter of simple shapes including those made up of a combination of rectangles. Calculate volume of cubes and cuboids • Draw 2-d shapes and demonstrate an understanding of lines of symmetry • Recognise and make use of simple scales on maps and drawings • Work out dimensions from drawings with simple shapes, e.g. 1cm represents 1m • Interpret plans, elevations and nest of simple 2d shapes. • Use angles when describing position and direction and measure angles. Bearings and angle facts Points on compass.	• Convert metric and imperial units of length, weight, and capacity using a) conversion factor and b) a conversion graph • Speed distance time, Density mass volume and rates of pay. • Calculate perimeters and areas of 2-d shapes including triangles and circles and composite shapes including • non-rectangular shapes. Formula not given for triangles or circles)Volume of regular shapes, e.g. cylinders, cuboids • Use formulae to find surface areas of 3-D shapes (formula given expect for cylinders)

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Unit Title					
No. Weeks	**4 Weeks**	**4 Weeks**	**1 Week**	**2 Weeks**	**3 Weeks**
Overview KS4	Simplify fractions to find equivalent forms Find parts of whole number quantities or measurements, e.g. *2/3 or 3/4* Read, write order and compare Mixed Fractions	Express one number as a fraction of another number. Order, add, subtract and compare using proper, improper and mixed fractions		•	•
	Calculate simple ratio and direct proportion	And inverse proportion		•	•
	Recognise and calculate equivalences between common fractions, percentages and decimals. With and without a calculator	Identify equivalencies between fractions, decimals and percentages		•	•
	Calculate simple percentage increase and decrease. Including simple interest and discounts in multiples of 5%	Express one numbers as a percentage of another number Calculate percentage change, and original value after percentage change (reverse percentages) Calculate compound interest		•	•
	Form word expressions from simple expressions in symbols; evaluate simple expressions and formulae Translate simple word problems into symbols and numbers Including speed distance time	Evaluate expressions and make substitutions in given formulae in words and symbols.		•	•
	Read and measure time accurately and use timetables Calculate using time in familiar contexts	Calculate, measure and record time in complex contexts		•	•

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