	Objective
Integers, powers and roots	Use prime factor form
	Use index notation for positive integer indices
	Know and use the index laws
Fractions, decimals and percentages	Order decimals
	Convert between fractions, decimals and percentages
	Calculate fractions of quantities
	Calculate percentages of quantities
Data	Find the mean, median, mode and range for a set of numbers
	Calculate averages from a frequency table
	Calculate quartiles and IQR from data in lists
Calculations and accuracy	Calculate with negative numbers
	Understand and apply the correct order of operations
	Add and subtract with decimal numbers
	Calculate money problems
	Multiply and divide with decimal numbers
	Round to a given number of decimal places
Simplifying and substituting	Expand simple single brackets
	Factorise single brackets
	Apply and use the laws of indices using algebraic terms
	Subsitute numbers into more complex formulae
Ratio	Write ratios as fractions of the whole and fractions of each part
	Divide quantities by simple ratios given the whole, part or difference
Assessment Week	Revision Lesson
	Advent Assessment
	Marking Lesson
Pythagoras and Trigonometry	Use Pythagoras' Theorem to calculate missing lengths in right angled triangles
	Use Pythagoras' Theorem to calculate the height in other shapes
	Use Pythgoras' Theorem to calculate the distance between co-ordinates
Forming and solving equations	Solve two-step linear equations with brackets
	Solve linear equations with unknowns on both sides
	Solve linear equations with unknowns on both sides including brackets
Lines, angles and shapes	Know and use the fact that angles on a straight line equal 180°
	Know and use the fact that angles in a triangle equal 180°
	Know and use the fact that angles around a point equal 360° and vertically opposite angles are equal
	Solve problems using alternate, corresponding and co-interior angles
	Use angles facts to solve problems involving triangles
Area	Calculate the area and perimeter of triangles
	Calculate the area and perimeter of parallelograms
	Calculate the area and perimeter of trapezia

	Calculate the area and perimeter of compound shapes
Assessment Week	Revision Lesson
	Lent Assessment
	Marking Lesson
Sequences, functions and graphs	Use co-ordinates in all four quadrants
	Plot straight lines of the form y = 2 and x = 3
	Complete a table of values and daw graphs of the form y = mx + c
	Calculate the gradient of a line
	Use y = mx + c to calculate the gradient and intercepts of a line
Volume	Calculate the volume of cubes and cuboids
	When given the volume, calculate lengths of cuboids
Probability	Express a probability as a fraction
	Use the fact that mutually exclusive probabilities add up to 1
	Use a sample space diagram to find a probabilty of two mutually exclusive events occuring
	Understand and use relative frequency as an estimate of probability
	Understand that samples tend towards theoretical probability with increasing distribution size
Inequalities	Use Inequality Notation
	Evaluate Inequalities
Measures	Convert from one metric unit to another
	Solve simple speed problems proportionally
Assessment Week	Revision Lesson
	Lent Assessment
	Marking Lesson
Transformations	Identify line symmetry and rotational symmetry in a 2D shapes
	Reflect shapes in the axes of a graph
	Reflect shapes in lines such as x = 2 and y = -3
	Reflect objects in the lines y = x and y = -x
	Rotate shapes about any point
	Translate a shape by a vector
	Add and subtract vectors and multiply vectors by a scalar, in both diagrammatic and column form
	Enlarge a shape by a positive scale factor (including fractions) from a centre