Topic	M2=C*C	M3 =B	M4 =A*A
1	Index laws, Venn, popf	Lcm and hcf using popf	
2	Sig fig	Upper and lower bounds of a calculation	Upper and lower bounds of a calculation involving subtraction and division
3	Recurring decimals; add subtract multiply and divide mixed fractions; Repeated percentage change, taxation, compound interest, mortgages,	Original or reverse percentage	
	Find and interpret gradients and intercepts of linear graphs e.g. plot and interpret the graph of the cost of hiring a car at £40 per day plus 20p per mile		
4	Interpret a straight line,	Y=mx+c, gradient, intercept, parallel lines	Gradients of perpendicular lines
	Pythagoras' in 2D, length of a line, midpoint of 2 coordinates,	Trig in right angle triangles, angles of elevation and depression	
5	Scattergraphs, Line of best fit, correlation, interpolate, extrapolate, outliers,		
	Mean, mode, median of grouped table; median class	Cumulative freq tables, curves, IQR and medians, box plots,	
6	Multiply a single term over a bracket, factorise, common factors, multiply out 2 brackets,	Equation and identity, Factorise quadratic expressions of the form $x^2 +bx + c$, difference of 2 squares, set up and solve quadratic equations using factors	Factorise quadratic expressions of the form $ax^2 +bx + c$,including more complex expressions
7	Area and perimeters of kites, parallelograms, rhombus and trapezium, volume of prisms, compound units eg density,	Arc length, area of sector, surface area and volume of cylinder, cone and sphere, compound units eg pressure,	More complex mensuration volume and surface area problems, eg, frustrums
8	Set up and solve linear equations in one unknown, including those with the unknown on both sides of the equation and equations of the form: $$\frac{x}{4}+3=7$$	Simplify, multiply and divide algebraic fractions with linear or quadratic numerators and denominators, Add or subtract algebraic fractions e.g. simplify $$\frac{4x+3}{10}+\frac{6x-5}{5}$$ algebraic fractions, equations of the form: $$\frac{4x+3}{10}+\frac{6x-5}{5}=\frac{13}{2}$$	Add or subtract algebraic fractions with linear denominators e.g. simplify $$\frac{2}{x+2}+\frac{3}{2x-1}$$ Set up and solve quadratic equations using factors and the formula; where the coefficient of $x^2 \neq 1$ and more complex equations
9			Understand and use circle theorems
10			Understand and use stratified sampling techniques
			Construct and interpret histograms for grouped continuous data with unequal class intervals