

Topic	M1= DEFG	M2=C*C	M3 =B
1	Index, hcf, lcm,	Index laws, Venn, popf	Lcm and hcf using popf
2	Negative numbers, bidmas, inverse operations, rounding	Sig fig	Upper and lower bounds of a calculations
3	Circle words, edges, faces and vertices, plans and elevations, nets, estimate metric and imperial units, area of triangles, compound shapes, circumference and area of circle, volume of cuboids,	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,
4	Correct algebra notation, collect like terms, multiply out single bracket, factorise	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
5	Fractions: add, subtract mixed fractions, terminating decimals, one as a fraction of another	Recurring fractions, add subtract multiply and divide mixed numbers	
6	Data cycle, sample, population, sampling, bias, data collection, 2 way tables; mean, mode, median of ungrouped table;	Mean, mode, median of grouped table;	Cumulative freq tables, curves, IQR and medians, box plots,
7	Construct simple formula, substitute into formula, linear eqs with one unknown,	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: $\frac{x}{4} + 3 = 7$	Add or subtract algebraic fractions e.g. simplify $\frac{4x + 3}{10} + \frac{6x - 5}{5}$ algebraic fractions, equations of the form: $\frac{4x + 3}{10} + \frac{6x - 5}{5} = \frac{13}{2}$
8	%, frac, dec, Percentage of a quantity, % increase/decrease, finance, bank accounts, salaries, profit, loss, simple interest,	Repeated percentage change, taxation, compound interest, mortgages,	Original or reverse percentage
9	Coordinates in 4 quadrants, plot a straight line	Interpret a straight line	$Y=mx+c$, gradient, intercept, parallel lines
10	Angle diagrams, angles with parallel lines,	Pythagoras' in 2D, length of a line, midpoint of 2 coordinates,	Trig in right angle triangles, angles of elevation and depression
11	Pictograms, bar charts, pie charts, line graphs, frequency trees and flow charts; recognising that graphs may be misleading, scattergraphs	Line of best fit, correlation, interpolate, extrapolate, outliers,	