

Year 9	Videos and worksheets	RAG	Tick when revision is complete
9aMa2 and 9bMa2 Revision List*			
8.11 Linear Equations			
Solve linear equations where the answer is a whole number			
Solve linear equations where the answer is a negative number	110		
Solve linear equations where the answer is a fraction			
Solve linear equations that involve brackets	13		
Check the solution to an equation by substituting			
Know that the intersection of two graphs shows the solution to a linear equation	Video		
8.12 Circles			
Recognise and label, on a circle: Radius, Diameter & Sector Chord & Segment Arc Tangent	61		
Know the formula circumference of a circle = $2\pi r = \pi d$			
Calculate the circumference of a circle	60		
Calculate the diameter or radius when the circumference is given			
Calculate the perimeter of composite shapes including part of a circle	62		
Know the formula area of a circle = πr^2			
Calculate the area of a circle	59		
Calculate the diameter or radius when the area is given			
Calculate the area of composite shapes including part of a circle	41		
Calculate the volume of a cylinder	357		
8.13 Linear Graphs			
Plot graphs of linear functions by using a table of values	186		
Find the gradient of a straight line that is on a set of axes	189		
Find the y-intercept of a straight line when drawn on a set of axes	191		
Know the differences between a linear and a quadratic graph	Video (until 8:20)		
Plot graphs of quadratic functions by using a table of values	264		
Sketch linear and quadratic graphs			
Plot and interpret distance-time or velocity-time graphs	171		
8.14 Organising Probability			
List events to probability events in a Venn diagram or two-way table	380		
Fill and use a probability sample space diagram	246		
Use a frequency tree to record the outcomes of probability events	376		
Calculate expected outcomes from theoretical probabilities			
Calculate expected outcomes from experimental data	248		
8.15 Histograms & Scatter Graphs			
Interpret a grouped frequency table			
Construct a grouped frequency table for a data set	Video		
Accurately show a continuous data set on a set of axes			
Construct a histogram for grouped data	157		
Plot a scatter graph			
Understand the meaning of correlation	165		
Interpret a scatter graph as positive, negative or no correlation			
8.16 Grouped Data			
Find the modal class for grouped data	Video		
Find the class that contains the median for grouped data	52		
Calculate an estimate of the mean for grouped data	55		
Estimate the range for grouped data	Video		
Choose appropriate statistics (mean, median, mode, range) for data sets			
Justify which statistic is best to describe a data set			
9.1 Calculating			
Use rules of indices for multiplying and dividing (for standard form)	174		
Convert between normal numbers and those in standard form			
Add/Subtract numbers written in standard form	300, 301, 302, 303		
Multiply/Divide numbers written in standard form			
Correct a number that is not in standard form			
Truncate numbers to a designated point			
Round numbers to a designated degree of accuracy (decimal places)	278		
Round numbers to a designated degree of accuracy (significant figures)	279a		
Round numbers to a designated degree of accuracy (highest/Lowest values)	280		
Use inequalities to show the range of values for a rounded number			
Create error intervals for rounded values	377		
9.2 Construction			
Construct a perpendicular to a specific point on a line	79		
Construct angle and perpendicular bisectors	72, 78		
Understand the meaning of loci			
Construct the locus...	video 1		

Of a point	video 2		
Between two points	video 3		
Draw a 3D shape from its plan view and elevations	Video		
Draw the plan view and elevations from a drawing of a 3D shape			
9.3 Simplifying algebraic expressions			
Multiply any two linear expressions	18		
Expand a set of square brackets	14		
Simplify algebraic expressions	9		
Create an expression or a formula to describe a situation			
Factorise quadratics by taking out a single factor	117		
Factorise quadratics by writing it in double brackets	118		
Show that two algebraic expressions are equivalent	365		
9.4 Proportion			
Direct proportion	video		
Inverse proportion	video		
Know the key features of the graphs for direct and inverse proportion			
Know the key features for formulae that represent direct or inverse proportion			
Know the meaning of congruent (in shapes)	66		
Know the meaning of similarity (in shapes)	291		
Work out missing lengths in similar shapes	292		
Know the definition of a compound unit			
Calculate speed	299		
Calculate pressure	385		
Calculate density	384		
Convert units of density, pressure or speed			
9.5 Fibonacci and quadratic sequences			
Know the Fibonacci sequence			
Generate Fibonacci-type sequences	287a		
Find missing terms in Fibonacci-type sequences			
Substitute numbers into formulae	20		
Generate terms of a quadratic sequence from a rule or nth term			
Calculate first and second differences for quadratic sequences	388		
Continue quadratic sequences			