

Mathematics Revision List Year 9

Summer 2023 End of Year Assessments

The topics that are being assessed are listed below. For each you need to:





- Watch videos clip or the CorbettMaths Video - CorbettMaths video numbers have a ✨ next to them.
- Complete the MathsWatch interactive questions.
- Write the date when you have completed each task.

Core and Powerful Knowledge Test	GCSE Grade	Maths Watch Clip * Corbett maths	Watched Video	Practiced Video Questions	Completed Interactive Questions
Rounding to a given number of decimal places	2	32			
Rounding to a given number of significant figures	3	90			
Rounding to the nearest Unit, 10, 100, 1000	2	31			
Know the inverse operations	2	21			
Know the place value for individual digits within a number	1	1			
Know the difference between a term, expression, formula, equation, and identity. Try this online quiz: Formula, expression, identity or equation (mathswithgraham.org.uk)	2				
Know how to write algebraic notation	1	7			
Know the meaning of statistical vocabulary: Discrete data, continuous data, outlier, interpolation, and extrapolation.	2	63			
Know how to use inequalities to represent grouped data	1	5			
Know measurements of time and use this to calculate time	1	6a			
Know how to convert between fractions, decimals, and percentages.	3	85			
Know the meaning of the mathematical words denominator, mixed number, improper fraction, numerator, and reciprocal.	3	76			

Higher - Paper 1 Non-Calculator (30 Marks)	GCSE Grade	Maths Watch Clip * Corbett maths	Watched Video	Practiced Video Questions	Completed Interactive Questions
Unit 1 - Number					
Place value and Estimating Estimate an answer by rounding to 1 significant figure	3	91			
HCF and LCM Write a number of the product of its prime factors.	3	78			
Find the HCF and LCM of two numbers.	3	79, 80			
Zero, negative and fractional indices Use negative indices.	5	154			
Use fractional indices.	7	188			
Powers of 10 and standard form Write a number in standard form.	3	83			
Calculate with numbers in standard form.	3	83			
Surds	8, 9	207 a			
Simplify a surd.	8, 9	207 b			
Rationalise a denominator.	8, 9	207 c			
Unit 4 - Fractions, ratio and percentages					
Fractions Add fractions and mixed numbers.	3	71			
Divide fractions and mixed numbers.	3	74			
Percentages Work out percentage increases and decreases.	3	108			
Solve real-life problems involving percentages.	3	108			

Higher – Paper 2 Calculator (50 Marks)	GCSE Grade	Maths Watch Clip	Watched Video	Practiced Video Questions	Completed Interactive
Unit 2 – Algebra					
Algebraic indices Use the rules of indices to simplify algebraic expressions.	4	131			
Expanding and factorising Expand single brackets.	3	93			
Expand, Factorise and Solve Quadratics.	4, 5	134 157			
Equations Solve equations involving brackets.	4	135			
Write expressions and equations. Use equations to solve problems.	4	137			
Linear sequences Find a general formula for the nth term of an arithmetic sequence.	3	103			
Determine whether a particular number is a term of a given arithmetic sequence.	3	102			
Non-linear sequences Find the nth term of a quadratic sequence	8, 9	213			
Rearrange formulae/ Equations	3	101			
Unit 3 - Graphs, tables, and charts					
Scatter graphs Plot and interpret scatter graphs.	3	129			
Determine whether there is a linear relationship between two variables.	3	129			
Line of best fit Draw a line of best fit on a scatter graph.	3	129			
Use the line of best fit to predict values.	3	129			
Stem and Leaf Draw a stem and leaf diagram and find averages.	3	128b			
Pie charts Interpreting pie charts	3	128a			
Frequency Estimate the mean and find the modal class from a grouped frequency table.	3	130b			
Construct and use frequency polygons.	3	-			
Unit 4 - Fractions and percentages					
Percentages Calculate compound interest/ depreciation	5	164			
Solve real-life problems involving percentages.	3	108			
Reverse percentages	3	110			
Ratio and proportion Convert between currencies and measures.	3	105			
Recognise and use direct proportion.	7	199			
Fractions, decimals and percentages Calculate using fractions, decimals and percentages.	3	110			
Convert a recurring decimal to a fraction.	6	177			

Revise, learn and practice your mathematical skill using the following websites.

<p>MathsWatch www.vle.mathswatch.com Use this website to watch video clips, practice interactive questions and complete homework. User Name: firstname.surname@abrahamdarby e.g. julie.may@abrahamdarby Password: Circle</p>	
<p>Corbettmaths https://corbettmaths.com This website has video clips, topic specific worksheets, past papers, practice papers, daily conundrum puzzles and 5-a-day practice questions. It provides answers to the questions, some with detailed workings. It also publishes predicted GCSE papers.</p>	
<p>BBC Bitesize https://www.bbc.com/education/subjects This website allows you to answer questions, which are marked immediately, whilst revising. You can also take online tests, which give immediate feedback on how well you are doing.</p>	
<p>OnMaths https://www.onmaths.com This website shows the grade, percentage and mark you are achieving whilst you are working through a tasks. The tasks include topic tests, past papers, predicted papers and mini mocks. You can watch walkthrough videos before attempting questions. This website also publishes predicted GCSE papers.</p>	
<p>Maths Genie https://www.mathsgenie.co.uk This website sorts the revisions notes and videos according to grade. You are able to download a test paper on a topic and view the detailed worked solutions. This website also publishes predicted GCSE papers.</p>	