

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.

Foundation - Paper 1 Non-Calculator (30 Marks)	GCSE Grade	MathsWatch Clip ✨ Corbett maths	Watched Video	Practiced Video Questions	Completed Interactive Questions
Unit 1 - Number					
Calculations Use the priority of operations – BIDMAS	3	75			
Decimal numbers Multiply decimal numbers.	3	66			
Place Value Round to a decimal place	2	32			
Round to a significant figure	3	90			
Estimating an answer	3	91			
Factors and multiples List the factors of a number.	3	28			
Recognise 2-digit prime numbers	2	✨225			
Squares, cubes and roots Calculate powers of numbers and roots	3	81			
Index notation Use the laws of indices	4	131			
Work out a value using indices	3	82			
Prime factors Write a number as the product of its prime factors	3	78			
Use Lowest Common Multiple (LCM) to solve time problems	3	80			
Unit 2 – Algebra					
Algebraic expressions Simplify expressions with one variable by collecting like terms.	2	33			
Simplifying expressions Simplify expressions with one variable with multiplication.	2	34			
Simplify expressions using the laws of indices	2	35			
Substitution Substitute positive and negative numbers into expressions and find the value.	3	95			
Substitute into a formula to solve money problems.	4	137			

Foundation – Paper 2 Calculator (50 Marks)	GCSE Grade	MathsWatch Clip * Corbett maths	Watched Video	Practiced Video Questions	Completed Interactive Questions
Unit 2 – Algebra					
Expanding brackets Expand a term over a single bracket, including negative signs	3	93			
Expand brackets within an express and simplify	3	134a			
Factorising Factorise expressions completely.	3	94			
Using expressions and formulae Write a simple expression from a real-life context.	4	137			
Use inverse operations to solve worded problem	3	100			
Unit 3 - Graphs, tables, and charts					
Frequency Table Interpret a grouped frequency table	1	15			
Two-way tables Design and construct a two-way table to solve a problem.	2	61			
Representing data Identify errors in a bar charts.	2	15			
Construct, Interpret and compare data shown in bar charts.	2	15			
Stem and Leaf Draw a stem and leaf diagram	3	128b			
Pie charts Construct and interpret a pie chart from given data in a frequency table.	3	128a			
Scatter graphs Draw and interpret a scatter graph.	3	129			
Line of best fit Draw a line of best fit on a scatter graph and use the line of best fit to predict values.	3	*167			
Unit 4 - Fractions and percentages					
Working with fractions Write a fraction	2	24			
Compare fractions	3	70			
Add and subtract two fractions.	3	71			
Operations with fractions Find a fraction of a quantity or measure	3	72			
Multiplying fractions Multiply whole numbers, fractions, and mixed numbers.	3	73			
Fractions and decimals Order percentages, decimals and fractions by size.	3	85			
Calculating percentages Calculate a percentage of a given quantity	3	87			
Calculate a percentage decrease	3	108			

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>	