

Revision Schedule 2026

Year 11 Revision Schedule 2026-27

Topics highlighted will be assessed in October trial exam

Subject/Course:	GCSE Maths Foundation
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Topic	Key knowledge/skills/questions	R	A	G	Revised	Resources/activities/links – Mathswatch Clip Numbers
1a Integers and Place value	- Types of number - Use and order positive and negatives - Use inequality symbols - Four operations using directed numbers - Round numbers to nearest 10,100,1000 and use rounding for estimation					1, 2, 3, 138, 23, 68a, 68b, 31,91
1b Decimals	- Use decimals and place values - Compare and order decimal numbers - Four operations using decimal numbers - Round to the nearest whole, decimal & significant figures					1, 32, 3, 90, 17,18,66,67
1c Indices, Powers and Roots	- Find squares and cubes - Use index notation including negative powers - Use laws of indices to multiply and divide in index form - Order of operations including powers and brackets - Use of calculator					29,82, 30, 154, 75, 77
1d Factors Multiples and Primes	- Identify factors, multiples and prime numbers - Find prime factorisation - Find Highest common factor - Find lowest common multiple					28, 78, 79, 80

Revision Schedule 2026

2a Algebra: The basics	• Write an expression • Collect like terms • Simplify expressions • Use index laws					7, 33, 34, 35
2b Expanding and factorising single brackets	• Expand single brackets • Simplify expressions using squares and cubes • Factorise expressions					93, 35, 94
2c Expressions and substitution into formulae	• Substitute into expressions involving brackets and powers • Substitute into a formulae					95
3a Tables	• Tally charts • Timetables • Identify mode from a list					15, 6b, 62
3b Charts and Graphs	• Draw and interpret bar charts & line graphs • Draw and interpret frequency polygons • Draw and interpret pictograms • Draw and interpret stem and leaf diagrams					15, 65b, 16, 128b
3c Pie Charts	• Draw and use pie charts • Find mode and frequency from pie charts • Compare two pie charts					128a
3d Scatter Graphs	• Draw and use scatter graphs • Line of best fit • Identify outliers and correlation					129
4a Fractions	• Simplify and compare fractions • Express one amount as a fraction of another • Convert with mixed numbers and improper fractions • Fractions of amount • Fractions calculations					24, 25, 26a, 26b, 70, 71, 72, 73, 74, 84, 85

Revision Schedule 2026

4b Fractions, decimals & percentages	- Use fraction to decimal conversions - Recognise terminating and recurring decimals					84
4c Percentages	- Convert between fractions, decimals & % - Calculate percentage of an amount - Calculate % increase/decrease - Increase/decrease an amount by a %					85, 86, 87, 88, 108, 109
5a Equations	- Use function machines - Solve equations - Rearrange equations - Set up and solve equations					36, 135a, 137
5b Inequalities	- Represent inequalities on a number line - List numbers that satisfy inequalities - Solving inequalities - Error intervals due to truncation and rounding					138, 139, 155a, 155b
5c Sequences	- Continue sequences, including pictures - Find the nth term - Use nth term to generate or continue sequences					37, 102, 104, 141
6a Properties of shapes, parallel lines and angle facts	- Measure and draw lines & angles - Properties of 3d shapes - Use angle facts - Angles in parallel lines					13, 46a, 46b, 45, 120, 121, 122
6b Interior and exterior angles of polygons	- Use sum of interior angles for polygons - Use sum of exterior angles for polygons					10, 123
7a Statistics and Sampling	Understand bias					152, 176
7b The averages	- Calculate averages & range from a list - Median, mean and range from a table - Estimated mean					62, 130a, 130b

Revision Schedule 2026

8a Perimeter and area	- Convert metric measures - Read scales - Perimeter of 2d shapes - Area of 2d shapes - Area of compound shapes - Surface area of prisms					112, 4, 52, 53, 54, 55, 56, 117, 114a, 114b
8b 3D forms and volume	- Properties of 3d shapes - Volume of a cuboid - Volume of a prism					43, 115, 119
9a Real-life graphs	- Use coordinates in all 4 quadrants - Midpoints of a line segment - Conversion graphs - Distance/time and velocity/time graphs					8, 133, 107, 143
9b Straight line graphs	- Draw, use and interpret straight line graphs - Identify parallel lines - Find the equation of a line from a graph					96, 159a, 159b
10a Transformations- translations, rotations and reflections	Transform and describe translations, rotations and reflections					48 49 50
10b Transformations: Enlargements and combinations	- Transform and describe enlargements - Transform and describe combinations of transformations					148
11a Ratio	- Write ratios in their simplest form - Share a quantity in a ratio - Compare ratios - Write in unitary form					38, 39, 106, 107, 165a, 165b, 165c
11b Proportion	- Use direct and inverse proportion - Best value - Recipes					42, 41, 39

Revision Schedule 2026

	Currency Conversions					
12 Right angled triangles: Pythagoras and Trigonometry	- Pythagoras' theorem - Trigonometry- sin, cos, tan - Know exact trig values					150a 150b 150c 168 173
13a Probability 1	- Probability scale - Listing outcomes - Two way tables - Frequency trees					14, 58, 61, 57
13b Probability 2	- Relative frequency - Sample space diagrams - Venn diagrams and set notation - Probability tree diagrams					152, 127a, 127b, 151,175
14 Multiplicative reasoning	- Compound measures, pressure, density & speed - Percentage profit/loss - Reverse % - Simple interest - Compound interest - Depreciation					142a, 142b, 142c, 164, 108, 110
15a Plans and elevations	- Sketch 3d forms - Draw plans and elevations					43, 51
15b Constructions, loci and bearings	- Standard constructions - Find regions using loci - Use maps and scale drawings - Bearings					47, 145a, 145b, 145c, 146, 147
16a Quadratic equations: expanding and factorising	- Expand double brackets - Factorise quadratics - Solve quadratics					134b, 157, 98, 160

Revision Schedule 2026

16b Quadratic equations: graphs	- Plot quadratic graphs - Find solutions, intercepts & turning points					
17 Circles, cylinders, cones and spheres	- Name parts of a circle - Area and circumference of circle - Arcs and sectors - Surface area and volume of a cylinder - Spheres, pyramids, cones and composite solids					116, 117, 118, 149, 167, 169, 170, 171
18a Fractions and reciprocals	- Four operations with mixed number fractions - Reciprocal of an integer, decimal or fractions					26b, 71, 73, 74, 76
18b Indices and standard form	- Index laws to simplify and calculate the value of an expression - Convert between standard and ordinary form - Four operations with standard form					82, 131, 83
19a Similarity and congruence in 2d	- Identify similar shapes - Find missing lengths. And scale factors in similar shapes					144
19b Vectors	- Use column vectors - Identify parallel column vectors - Calculate with column vectors					174
20 Rearranging equations, graphs of cubics and reciprocal functions and simultaneous equations	- Change the subject of a formula - Recognise and sketch cubic and reciprocal functions - Solve simultaneous equations algebraically and graphically.					136, 161, 140, 162