

Revision Schedule 2026

Year 11 Revision Schedule 2026

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	<ul style="list-style-type: none"> Types of number Use and order positive and negatives <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Use of calculator 					29,82, 30, 154, 75, 77
1d Factors Multiples and Primes	<ul style="list-style-type: none"> Identify factors, multiples and prime numbers <ul style="list-style-type: none"> Find prime factorisation Find Highest common factor Find lowest common multiple 					28, 78, 79, 80

Revision Schedule 2026

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2a Algebra: The basics	<ul style="list-style-type: none"> Write an expression Collect like terms Simplify expressions Use index laws 					7, 33, 34, 35
2b Expanding and factorising single brackets	<ul style="list-style-type: none"> Expand single brackets Simplify expressions using squares and cubes Factorise expressions 					93, 35, 94
2c Expressions and substitution into formulae	<ul style="list-style-type: none"> Substitute into expressions involving brackets and powers Substitute into a formulae 					95
3a Tables	<ul style="list-style-type: none"> Tally charts Timetables Identify mode from a list 					15, 6b, 62
3b Charts and Graphs	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Draw and use pie charts Find mode and frequency from pie charts Compare two pie charts 					128a
3d Scatter Graphs	<ul style="list-style-type: none"> Draw and use scatter graphs Line of best fit Identify outliers and correlation 					129
4a Fractions	<ul style="list-style-type: none"> Simplify and compare fractions Express one amount as a fraction of another Convert with mixed numbers and improper fractions Fractions of amount 					24, 25, 26a, 26b, 70, 71, 72, 73, 74, 84, 85

Revision Schedule 2026

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	<ul style="list-style-type: none"> Fractions calculations 					
4b Fractions, decimals & percentages	<ul style="list-style-type: none"> Use fraction to decimal conversions Recognise terminating and recurring decimals 					84
4c Percentages	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Use function machines Solve equations Rearrange equations Set up and solve equations 					36, 135a, 137
5b Inequalities	<ul style="list-style-type: none"> Represent inequalities on a number line List numbers that satisfy inequalities <ul style="list-style-type: none"> Solving inequalities Error intervals due to truncation and rounding 					138, 139, 155a, 155b
5c Sequences	<ul style="list-style-type: none"> Continue sequences, including pictures <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Measure and draw lines & angles <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Use sum of interior angles for polygons Use sum of exterior angles for polygons 					10, 123
7a Statistics and Sampling	<ul style="list-style-type: none"> Understand bias 					152, 176
7b The averages	<ul style="list-style-type: none"> Calculate averages & range from a list 					62, 130a, 130b

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	<ul style="list-style-type: none"> Median, mean and range from a table <ul style="list-style-type: none"> Estimated mean 					
8a Perimeter and area	<ul style="list-style-type: none"> Convert metric measures <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Properties of 3d shapes <ul style="list-style-type: none"> Volume of a cuboid Volume of a prism 					43, 115, 119
9a Real-life graphs	<ul style="list-style-type: none"> Use coordinates in all 4 quadrants <ul style="list-style-type: none"> Midpoints of a line segment Conversion graphs Distance/time and velocity/time graphs 					8, 133, 107, 143
9b Straight line graphs	<ul style="list-style-type: none"> Draw, use and interpret straight line graphs <ul style="list-style-type: none"> Identify parallel lines Find the equation of a line from a graph 					96, 159a, 159b
10a Transformations- translations, rotations and reflections	<ul style="list-style-type: none"> Transform and describe translations, rotations and reflections 					48 49 50
10b Transformations: Enlargements and combinations	<ul style="list-style-type: none"> Transform and describe enlargements Transform and describe combinations of transformations 					148
11a Ratio	<ul style="list-style-type: none"> Write ratios in their simplest form <ul style="list-style-type: none"> Share a quantity in a ratio <ul style="list-style-type: none"> Compare ratios Write in unitary form 					38, 39, 106, 107, 165a, 165b, 165c

Revision Schedule 2026

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11b Proportion	<ul style="list-style-type: none"> Use direct and inverse proportion <ul style="list-style-type: none"> Best value Recipes Currency Conversions 					42, 41, 39
12 Right angled triangles: Pythagoras and Trigonometry	<ul style="list-style-type: none"> Pythagoras' theorem Trigonometry- sin, cos, tan Know exact trig values 					150a 150b 150c 168 173
13a Probability 1	<ul style="list-style-type: none"> Probability scale Listing outcomes Two way tables Frequency trees 					14, 58, 61, 57
13b Probability 2	<ul style="list-style-type: none"> Relative frequency Sample space diagrams Venn diagrams and set notation Probability tree diagrams 					152, 127a, 127b, 151,175
14 Multiplicative reasoning	<ul style="list-style-type: none"> Compound measures, pressure, density & speed Percentage profit/loss <ul style="list-style-type: none"> Reverse % Simple interest Compound interest Depreciation 					142a, 142b, 142c, 164, 108, 110
15a Plans and elevations	<ul style="list-style-type: none"> Sketch 3d forms Draw plans and elevations 					43, 51
15b Constructions, loci and bearings	<ul style="list-style-type: none"> Standard constructions Find regions using loci Use maps and scale drawings <ul style="list-style-type: none"> Bearings 					47, 145a, 145b, 145c, 146, 147
16a Quadratic equations:	<ul style="list-style-type: none"> Expand double brackets Factorise quadratics 					134b, 157, 98, 160

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expanding and factorising	<ul style="list-style-type: none"> Solve quadratics 					
16b Quadratic equations: graphs	<ul style="list-style-type: none"> Plot quadratic graphs Find solutions, intercepts & turning points 					
17 Circles, cylinders, cones and spheres	<ul style="list-style-type: none"> Name parts of a circle Area and circumference of circle <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Four operations with mixed number fractions Reciprocal of an integer, decimal or fractions 					26b, 71, 73, 74, 76
18b Indices and standard form	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Identify similar shapes Find missing lengths. And scale factors in similar shapes 					144
19b Vectors	<ul style="list-style-type: none"> Use column vectors Identify parallel column vectors Calculate with column vectors 					174
20 Rearranging equations, graphs of cubics and reciprocal functions and	<ul style="list-style-type: none"> Change the subject of a formula Recognise and sketch cubic and reciprocal functions Solve simultaneous equations algebraically and graphically. 					136, 161, 140, 162



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simultaneous equations						