OCR GCSE Maths — Papers 2 & 3 / Papers 5 & 6 revision lists

These are revision lists for Papers 2 and 3 (Foundation) and Papers 5 and 6 (Higher). You have finished the non-calculator paper (Paper 2 or Paper 5). This PDF shows OCR topics that did not appear on that paper, to help you revise for the calculator paper (Paper 3 on Foundation, Paper 6 on Higher).

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Please read: This is practice material from The Maths Vault, not an official OCR document. Past-paper patterns are a guide only — they do not tell you what will definitely be on your next exam. Always follow advice from your teacher.

Foundation tier

OCR GCSE Mathematics (J560) Foundation, Paper 2 (non-calculator)

These 104 topics did not come up on Paper 2 in June 2026 (Paper 2, Foundation tier). They are grouped by area of maths, with the ones that have appeared most often on Paper 3 in past years listed first — a useful guide for what to revise next.

How to read the table: the numbered columns count how often similar questions have appeared on past OCR calculator papers (Foundation: Paper 3; Higher: Paper 6).

Topic	Paper 2 past papers	Paper 3 past papers	Revision focus
Algebra			
Drawing linear graphs	22 times since 2022; 64 in all past papers	23 times since 2022; 77 in all past papers	Worth prioritising
Multiplying and dividing terms	32 times since 2022; 92 in all past papers	13 times since 2022; 33 in all past papers	Worth prioritising
Gradients of linear graphs	21 times since 2022; 56 in all past papers	19 times since 2022; 68 in all past papers	Worth prioritising
Conversion graphs	19 times since 2022; 49 in all past papers	18 times since 2022; 60 in all past papers	Worth prioritising
Forming equations	6 times since 2022; 26 in all past papers	11 times since 2022; 33 in all past papers	Keep in your revision plan
Simultaneous equations	6 times since 2022; 26 in all past papers	11 times since 2022; 33 in all past papers	Keep in your revision plan
Writing expressions	6 times since 2022; 28 in all past papers	11 times since 2022; 25 in all past papers	Keep in your revision plan
Factorising	9 times since 2022; 25 in all past papers	7 times since 2022; 15 in all past papers	Keep in your revision plan
Factorising quadratics	9 times since 2022; 25 in all past papers	7 times since 2022; 15 in all past papers	Keep in your revision plan
Expanding brackets	7 times since 2022; 19 in all past papers	2 times since 2022; 8 in all past papers	Keep in your revision plan

Topic	Paper 2 past papers	Paper 3 past papers	Revision focus
Collecting like terms	2 times since 2022; 11 in all past papers	5 times since 2022; 9 in all past papers	Revise when you can
Geometric progressions / geometric sequences	2 times since 2022; 7 in all past papers	3 times since 2022; 12 in all past papers	Revise when you can
Substitution	2 times since 2022; 9 in all past papers	3 times since 2022; 9 in all past papers	Revise when you can
Coordinates	2 times since 2022; 4 in all past papers	2 times since 2022; 7 in all past papers	Revise when you can
Changing the subject	1 time since 2022; 4 in all past papers	1 time since 2022; 4 in all past papers	Revise when you can
Geometry and measure			
Travel graphs	19 times since 2022; 49 in all past papers	18 times since 2022; 60 in all past papers	Worth prioritising
Line symmetry	19 times since 2022; 65 in all past papers	12 times since 2022; 54 in all past papers	Worth prioritising
Angles in parallel lines	19 times since 2022; 52 in all past papers	14 times since 2022; 50 in all past papers	Worth prioritising
Angles in polygons	17 times since 2022; 47 in all past papers	13 times since 2022; 44 in all past papers	Worth prioritising
Angle facts	17 times since 2022; 46 in all past papers	13 times since 2022; 43 in all past papers	Worth prioritising
Angles in a quadrilateral	17 times since 2022; 46 in all past papers	13 times since 2022; 43 in all past papers	Worth prioritising
Angles in a triangle	17 times since 2022; 46 in all past papers	13 times since 2022; 43 in all past papers	Worth prioritising
Types of angle	17 times since 2022; 46 in all past papers	13 times since 2022; 43 in all past papers	Worth prioritising
Area of rectangles and triangles	14 times since 2022; 32 in all past papers	18 times since 2022; 39 in all past papers	Keep in your revision plan
Area of a circle	12 times since 2022; 29 in all past papers	17 times since 2022; 34 in all past papers	Keep in your revision plan
Area of a sector	12 times since 2022; 29 in all past papers	17 times since 2022; 34 in all past papers	Keep in your revision plan
Area of a trapezium	12 times since 2022; 29 in all past papers	17 times since 2022; 34 in all past papers	Keep in your revision plan
Time calculations	9 times since 2022; 29 in all past papers	8 times since 2022; 31 in all past papers	Keep in your revision plan
Speed, distance, time	8 times since 2022; 25 in all past papers	4 times since 2022; 17 in all past papers	Keep in your revision plan
Volume of a cylinder	7 times since 2022; 16 in all past papers	7 times since 2022; 19 in all past papers	Keep in your revision plan
Distance charts	6 times since 2022; 18 in all past papers	4 times since 2022; 18 in all past papers	Keep in your revision plan
Exact trigonometric values	5 times since 2022; 9 in all past papers	4 times since 2022; 11 in all past papers	Keep in your revision plan
Congruent triangles	4 times since 2022; 7 in all past papers	4 times since 2022; 14 in all past papers	Revise when you can

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Topic	Paper 2 past papers	Paper 3 past papers	Revision focus
Perimeter	3 times since 2022; 7 in all past papers	6 times since 2022; 11 in all past papers	Revise when you can
Loci	4 times since 2022; 9 in all past papers	2 times since 2022; 12 in all past papers	Revise when you can
Scales and maps	1 time since 2022; 8 in all past papers	4 times since 2022; 12 in all past papers	Revise when you can
Rotational symmetry	1 time since 2022; 8 in all past papers	4 times since 2022; 9 in all past papers	Revise when you can
Arc length	1 time since 2022; 3 in all past papers	5 times since 2022; 7 in all past papers	Revise when you can
Circumference	1 time since 2022; 3 in all past papers	5 times since 2022; 7 in all past papers	Revise when you can
Parts of the circle	1 time since 2022; 3 in all past papers	5 times since 2022; 7 in all past papers	Revise when you can
Pythagoras	3 times since 2022; 8 in all past papers	1 time since 2022; 8 in all past papers	Revise when you can
Units (length, mass, capacity)	3 times since 2022; 8 in all past papers	1 time since 2022; 8 in all past papers	Revise when you can
Density	4 in all past papers	3 times since 2022; 8 in all past papers	Revise when you can
Views and elevations	2 times since 2022; 4 in all past papers	2 times since 2022; 5 in all past papers	Revise when you can
Bearings	4 times since 2022; 6 in all past papers	2 in all past papers	Revise when you can
Timetables	3 times since 2022; 7 in all past papers	1 time since 2022	Revise when you can
Pressure	4 in all past papers	1 time since 2022; 4 in all past papers	Revise when you can
Faces, edges, vertices	3 in all past papers	1 time since 2022; 2 in all past papers	Revise when you can
Nets	3 in all past papers	1 time since 2022; 2 in all past papers	Revise when you can
Constructions	Not seen often	Not seen often	Less common on Papers 2–3
Enlargements	Not seen often	Not seen often	Less common on Papers 2–3
Reflections	Not seen often	Not seen often	Less common on Papers 2–3
Rotations	Not seen often	Not seen often	Less common on Papers 2–3
Translations	Not seen often	Not seen often	Less common on Papers 2–3
Graphs and functions			
Reciprocal graphs	26 times since 2022; 67 in all past papers	19 times since 2022; 62 in all past papers	Worth prioritising
Quadratic graphs	22 times since 2022; 56 in all past papers	19 times since 2022; 61 in all past papers	Worth prioritising

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Topic	Paper 2 past papers	Paper 3 past papers	Revision focus
Cubic graphs	19 times since 2022; 49 in all past papers	18 times since 2022; 60 in all past papers	Worth prioritising
Number			
Expressing as fraction or percentage	42 times since 2022; 126 in all past papers	31 times since 2022; 84 in all past papers	Worth prioritising
Fractions, decimals and percentages (links)	40 times since 2022; 121 in all past papers	29 times since 2022; 79 in all past papers	Worth prioritising
Dividing fractions	42 times since 2022; 118 in all past papers	19 times since 2022; 57 in all past papers	Worth prioritising
Multiplying fractions	42 times since 2022; 118 in all past papers	19 times since 2022; 57 in all past papers	Worth prioritising
Adding fractions	37 times since 2022; 102 in all past papers	17 times since 2022; 54 in all past papers	Worth prioritising
Square numbers and square roots	31 times since 2022; 84 in all past papers	20 times since 2022; 57 in all past papers	Worth prioritising
Prime numbers	29 times since 2022; 78 in all past papers	23 times since 2022; 59 in all past papers	Worth prioritising
Fractions of amounts	30 times since 2022; 89 in all past papers	16 times since 2022; 46 in all past papers	Worth prioritising
Cube numbers and cube roots	27 times since 2022; 74 in all past papers	17 times since 2022; 50 in all past papers	Worth prioritising
Reverse percentages	19 times since 2022; 59 in all past papers	22 times since 2022; 62 in all past papers	Worth prioritising
Percentage change	19 times since 2022; 58 in all past papers	20 times since 2022; 58 in all past papers	Worth prioritising
Negative numbers	29 times since 2022; 70 in all past papers	10 times since 2022; 35 in all past papers	Worth prioritising
Ordering decimals	21 times since 2022; 65 in all past papers	13 times since 2022; 39 in all past papers	Worth prioritising
Arithmetic with decimals	19 times since 2022; 57 in all past papers	12 times since 2022; 38 in all past papers	Worth prioritising
Percentages of amounts	14 times since 2022; 44 in all past papers	16 times since 2022; 48 in all past papers	Worth prioritising
Standard form	16 times since 2022; 40 in all past papers	12 times since 2022; 53 in all past papers	Worth prioritising
Compound interest	11 times since 2022; 36 in all past papers	19 times since 2022; 50 in all past papers	Worth prioritising
Money problems	14 times since 2022; 38 in all past papers	13 times since 2022; 39 in all past papers	Keep in your revision plan
Negative indices	14 times since 2022; 39 in all past papers	12 times since 2022; 40 in all past papers	Keep in your revision plan
Multiples and factors	7 times since 2022; 21 in all past papers	14 times since 2022; 32 in all past papers	Keep in your revision plan
Product of prime factors	7 times since 2022; 21 in all past papers	14 times since 2022; 32 in all past papers	Keep in your revision plan
Simple interest	7 times since 2022; 23 in all past papers	13 times since 2022; 32 in all past papers	Keep in your revision plan

Topic	Paper 2 past papers	Paper 3 past papers	Revision focus
Place value	8 times since 2022; 24 in all past papers	8 times since 2022; 30 in all past papers	Keep in your revision plan
Proportion (Foundation)	4 times since 2022; 12 in all past papers	6 times since 2022; 21 in all past papers	Keep in your revision plan
Order of operations	5 times since 2022; 13 in all past papers	3 times since 2022; 8 in all past papers	Revise when you can
Error intervals	1 time since 2022; 2 in all past papers	3 times since 2022; 13 in all past papers	Revise when you can
Rounding	2 times since 2022; 7 in all past papers	7 in all past papers	Revise when you can
Best buys	Not seen often	Not seen often	Less common on Papers 2–3
Currency	Not seen often	Not seen often	Less common on Papers 2–3
Estimation	Not seen often	Not seen often	Less common on Papers 2–3
Statistics and probability			
Line graphs	31 times since 2022; 92 in all past papers	23 times since 2022; 90 in all past papers	Worth prioritising
Scatter graphs	19 times since 2022; 49 in all past papers	18 times since 2022; 60 in all past papers	Worth prioritising
Probability	8 times since 2022; 21 in all past papers	9 times since 2022; 22 in all past papers	Keep in your revision plan
Median from frequency tables	8 times since 2022; 21 in all past papers	9 times since 2022; 21 in all past papers	Keep in your revision plan
Mode from frequency tables	8 times since 2022; 21 in all past papers	9 times since 2022; 21 in all past papers	Keep in your revision plan
Listing outcomes	6 times since 2022; 15 in all past papers	6 times since 2022; 28 in all past papers	Keep in your revision plan
Frequency trees	5 times since 2022; 14 in all past papers	8 times since 2022; 20 in all past papers	Keep in your revision plan
Relative frequency	5 times since 2022; 14 in all past papers	8 times since 2022; 20 in all past papers	Keep in your revision plan
Venn diagrams	5 times since 2022; 14 in all past papers	8 times since 2022; 20 in all past papers	Keep in your revision plan
Pie charts	6 times since 2022; 14 in all past papers	3 times since 2022; 14 in all past papers	Keep in your revision plan
Tally charts	6 times since 2022; 14 in all past papers	3 times since 2022; 14 in all past papers	Keep in your revision plan
Reading tables	4 times since 2022; 11 in all past papers	4 times since 2022; 11 in all past papers	Keep in your revision plan
Averages and range	3 times since 2022; 13 in all past papers	3 times since 2022; 9 in all past papers	Revise when you can
Two-way tables	4 times since 2022; 9 in all past papers	3 times since 2022; 7 in all past papers	Revise when you can

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Topic	Paper 2 past papers	Paper 3 past papers	Revision focus
Pictograms	2 times since 2022; 4 in all past papers	1 in all past papers	Revise when you can
Combined mean	Not seen often	Not seen often	Less common on Papers 2–3
Samples	Not seen often	Not seen often	Less common on Papers 2–3

Topics that were on Paper 2 (30)

- Bar charts
- Enlargements (Negative and Fractional)
- Enlargements (positive)
- Equations (solving)
- Estimated mean
- Function machines
- Indices (integer)
- Integer arithmetic (add / subtract / multiply / divide)
- LCM and HCF
- Laws of indices (Foundation bundle)
- Linear inequalities (solving)
- Modal class from tables
- Parallel lines (Foundation graphs)
- Quadrilaterals (naming and properties)
- Ratio
- Real-life graphs (Foundation)
- Recipes (ratio)
- Reciprocals (Foundation)
- Sensible estimates
- Sequences (general notation)
- Similar shapes
- Sphere and cone volume and surface area
- Surface area (general)
- Tree diagrams
- Trigonometry (right-angled)
- Use of a calculator
- Vectors
- Volume of a cuboid and prism
- nth term of a linear sequence
- $y = mx + c$ (straight-line equation)

