

GCSE ONLINE TUTORING

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GRADE CALCULATOR & FIVE-YEAR RESULTS HANDBOOK

Official June 2022-2026 qualification boundaries, paper benchmarks, outcome statistics
and calculator logic

**Cambridge OCR GCSE (9-1) Mathematics J560 | Foundation and Higher | Website
reference edition | 2026**

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Evidence standard

All boundary and results figures are transcribed from Cambridge OCR publications for the stated June series. Historical figures describe completed series only. They are not predictions of future grade boundaries.

How OCR J560 grading works

The qualification has three 100-mark papers, giving 300 marks overall. Foundation uses J560/01, /02 and /03; Higher uses J560/04, /05 and /06. A qualification grade is determined from the combined total. The paper-level figures below are useful historical benchmarks but the qualification total is the decisive comparison.

Foundation award range: grades 1-5. Higher award range: grades 4-9, with a grade-3 safety-net outcome possible under OCR rules. [OCR-GLANCE]

Foundation qualification boundaries /300

June series	Grade 5	Grade 4	Grade 3	Grade 2	Grade 1
2022	170	119	85	52	19
2023	178	129	92	56	20
2024	180	131	93	55	18
2025	182	134	95	56	17
2026	183	133	96	59	23

Five-year range and median:

- Grade 5: 170-183 marks; median 180/300 (60.0%).
- Grade 4: 119-134 marks; median 131/300 (43.7%).
- Grade 3: 85-96 marks; median 93/300 (31.0%).
- Grade 2: 52-59 marks; median 56/300 (18.7%).
- Grade 1: 17-23 marks; median 19/300 (6.3%).

Higher qualification boundaries /300

June series	Grade 9	Grade 8	Grade 7	Grade 6	Grade 5	Grade 4	Grade 3
2022	242	200	158	120	82	45	26
2023	242	193	144	109	74	39	21
2024	245	195	145	110	76	42	25
2025	258	212	166	126	86	47	27
2026	264	217	170	132	94	57	38

- Grade 9: 242-264 marks; median 245/300 (81.7%).
- Grade 8: 193-217 marks; median 200/300 (66.7%).
- Grade 7: 144-170 marks; median 158/300 (52.7%).
- Grade 6: 109-132 marks; median 120/300 (40.0%).
- Grade 5: 74-94 marks; median 82/300 (27.3%).
- Grade 4: 39-57 marks; median 45/300 (15.0%).
- Grade 3: 21-38 marks; median 26/300 (8.7%).

Paper-level historical benchmarks: June 2022-2024

These figures help interpret a single paper. Do not average three paper “grades” to create a qualification grade; add the raw marks and use the overall /300 boundary instead.

2022

Paper	Tier	Grade thresholds (marks out of 100)
01	F	5 62 4 47 3 33 2 20 1 7
02	F	5 54 4 36 3 26 2 16 1 6
03	F	5 54 4 36 3 26 2 16 1 6
04	H	9 86 8 72 7 59 6 45 5 31 4 17 3 10
05	H	9 74 8 61 7 46 6 35 5 24 4 13 3 7
06	H	9 82 8 67 7 53 6 40 5 27 4 15 3 9

2023

Paper	Tier	Grade thresholds (marks out of 100)
01	F	5 62 4 45 3 32 2 20 1 7
02	F	5 63 4 45 3 32 2 19 1 7
03	F	5 53 4 39 3 28 2 17 1 6
04	H	9 84 8 67 7 51 6 39 5 27 4 14 3 8
05	H	9 85 8 69 7 51 6 39 5 26 4 14 3 7
06	H	9 73 8 57 7 42 6 31 5 21 4 11 3 6

2024

Paper	Tier	Grade thresholds (marks out of 100)
01	F	5 62 4 45 3 32 2 19 1 6
02	F	5 60 4 43 3 31 2 18 1 6
03	F	5 58 4 43 3 30 2 18 1 6
04	H	9 81 8 65 7 49 6 37 5 26 4 14 3 8
05	H	9 82 8 65 7 49 6 37 5 25 4 14 3 9
06	H	9 82 8 65 7 47 6 36 5 25 4 14 3 8

Paper-level historical benchmarks: June 2025-2026

2025

Paper	Tier	Grade thresholds (marks out of 100)
01	F	5 64 4 46 3 33 2 19 1 6
02	F	5 59 4 44 3 31 2 18 1 5
03	F	5 59 4 44 3 31 2 19 1 6
04	H	9 90 8 76 7 60 6 46 5 32 4 17 3 9
05	H	9 84 8 68 7 53 6 40 5 27 4 15 3 9
06	H	9 84 8 68 7 53 6 40 5 27 4 15 3 9

2026

Paper	Tier	Grade thresholds (marks out of 100)
01	F	5 64 4 45 3 33 2 21 1 9
02	F	5 61 4 46 3 33 2 20 1 7
03	F	5 58 4 42 3 30 2 18 1 7
04	H	9 88 8 74 7 58 6 44 5 31 4 17 3 10
05	H	9 84 8 67 7 51 6 40 5 28 4 17 3 11
06	H	9 92 8 76 7 61 6 48 5 35 4 23 3 17

How to use these numbers responsibly

A paper threshold is a historical benchmark for that component and series. It is useful for diagnosing whether one paper was unusually strong or weak. For a grade calculator, however, the three raw marks should be summed first and compared with the overall qualification boundary for the selected year.

Five-year OCR J560 outcome statistics

OCR publishes cumulative percentages: “7+” means the percentage awarded grade 7 or above, not exactly grade 7. These cohort outcomes are descriptive and must not be used as individual predictions.

Year	9+	8+	7+	6+	5+	4+	3+	2+	1+	Candidates
2022	4.72	11.35	19.8	28.27	48.3	67.68	79.5	90.14	98.33	57000
2023	3.57	9.16	17.67	26.09	43.7	64.75	79.12	90.43	98.09	61271
2024	3.41	8.77	17.02	25.0	43.03	64.16	78.01	89.54	98.03	70598
2025	3.2	9.2	16.6	24.5	41.5	62.8	77.3	89.0	98.2	74199
2026	3.0	8.4	15.4	22.8	39.4	59.4	73.9	87.4	98.0	84036

Five-year movement

Candidate entries increased from 57,000 in June 2022 to 84,036 in June 2026. Boundaries and cumulative outcomes also moved between series. That movement is exactly why a website calculator should require a historical year selection—or display a five-year range—rather than advertise one permanent percentage as “the grade boundary”.

Calculator logic for the website

1. Ask for tier: Foundation or Higher.
2. Ask for three raw paper marks, each out of 100.
3. Add them to a qualification total out of 300.
4. Ask which completed June series the student wants to compare against (2022-2026).
5. Return the highest overall boundary met in that selected series.
6. Also show the five-year min-median-max range for the target grade.
7. Display: “Historical comparison only. Future boundaries are set after the exam series and can change.”

Worked calculator examples

Foundation: $48 + 46 + 49 = 143/300$. Against June 2026, 143 is at or above grade 4 (133) but below grade 5 (183), so the historical comparison is grade 4.

Higher: $59 + 61 + 58 = 178/300$. Against June 2026, 178 is at or above grade 7 (170) but below grade 8 (217), so the historical comparison is grade 7.

Student grade-tracking worksheet

Use one row per mock or full three-paper practice set. Keep the raw total alongside the historical year used, because a “grade” without the comparator year is ambiguous.

Date/series	Tier	P1/P4	P2/P5	P3/P6	Total /300	Historical year	Grade	Target gap

Target-grade planning

Target grade	Historical min 2022-26	Median 2022-26	Historical max 2022-26	My latest total	Gap to median
F5	170	180	183		
F4	119	131	134		
F3	85	93	96		
H9	242	245	264		
H8	193	200	217		
H7	144	158	170		
H6	109	120	132		
H5	74	82	94		
H4	39	45	57		

References and source register

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[GB23] Cambridge OCR, GCSE grade boundaries - June 2023. <https://www.ocr.org.uk/Images/690906-gcse-grade-boundaries-june-2023.pdf>

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[RS23] Cambridge OCR, provisional results statistics - June 2023. <https://www.ocr.org.uk/Images/690909-gcse-cambridge-nationals-and-entry-level-provisional-results-statistics-june-2023.pdf>

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[RS26] Cambridge OCR, provisional results statistics - June 2026. <https://www.ocr.org.uk/Images/760870-gcse-cambridge-nationals-and-entry-level-provisional-results-statistics-june-2026.pdf>

[OCR-GLANCE] Cambridge OCR, J560 Specification at a glance.

<https://www.ocr.org.uk/qualifications/gcse/mathematics-j560-from-2015/specification-at-a-glance/>

Verification note: figures in this handbook were transcribed from the OCR publications above. The explanatory text, examples, calculator logic and worksheets are independently authored by GCSE Online Tutoring and RS Remote Tutoring.