

IGCSE Mathematics

Past-Paper Exercise Sheets — Question Index

33 subtopics • 101 questions • 506 marks

E1.1 Types of number

4 questions, 13 marks • calculation x2, short answer x2

Source	Q	Type	Marks
0580/22 N25	13	calculation	3
0580/23 N25	7	short answer	2
0580/22 J25	8	calculation	2
0580/41 J25	10	short answer	6

E1.2 Sets

2 questions, 10 marks • short answer, calculation

Source	Q	Type	Marks
0580/21 N25	10	short answer	3
0580/22 N25	12	calculation	7

E1.3 Powers and roots

5 questions, 23 marks • calculation x2, short answer x2, long answer

Source	Q	Type	Marks
0580/21 N25	21	calculation	2
0580/22 N25	18	long answer	4
0580/23 N25	24	short answer	8
0580/21 J25	15	short answer	5
0580/22 J25	18	calculation	4

E1.4 Fractions, decimals and percentages

3 questions, 6 marks • calculation x2, short answer

Source	Q	Type	Marks
0580/22 N25	9	short answer	2
0580/21 J25	4	calculation	3
0580/22 J25	14	calculation	1

E1.7 Indices I

4 questions, 18 marks • short answer x3, calculation

Source	Q	Type	Marks
0580/21 N25	6	short answer	4
0580/22 N25	14	calculation	4
0580/23 N25	12	short answer	8
0580/21 J25	19	short answer	2

E1.8 Standard form

3 questions, 8 marks • calculation x3

Source	Q	Type	Marks
0580/21 N25	15	calculation	3
0580/43 N25	11	calculation	2
0580/22 J25	11	calculation	3

E1.10 Limits of accuracy

1 question, 3 marks • calculation

Source	Q	Type	Marks
0580/43 N25	25	calculation	3

E1.12 Rates

5 questions, 18 marks • calculation x4, short answer

Source	Q	Type	Marks
0580/41 N25	11	short answer	2
0580/42 N25	4	calculation	4
0580/42 N25	5	calculation	1
0580/42 N25	14	calculation	7
0580/41 J25	8	calculation	4

E2.1 Introduction to algebra

1 question, 2 marks • calculation

Source	Q	Type	Marks
0580/22 N25	8	calculation	2

E2.2 Algebraic manipulation

2 questions, 9 marks • short answer, calculation

Source	Q	Type	Marks
0580/21 N25	17	short answer	3
0580/22 N25	10	calculation	6

E2.4 Indices II

1 question, 5 marks • short answer

Source	Q	Type	Marks
0580/43 N25	6	short answer	5

E2.5 Equations

6 questions, 25 marks • calculation $\times 3$, short answer $\times 3$

Source	Q	Type	Marks
0580/23 N25	15	calculation	7
0580/42 N25	17	short answer	3
0580/43 N25	14	calculation	5
0580/43 N25	16	short answer	4
0580/22 J25	6	calculation	4
0580/41 J25	6	short answer	2

E2.6 Inequalities

5 questions, 25 marks • short answer $\times 3$, calculation $\times 2$

Source	Q	Type	Marks
0580/22 N25	7	short answer	1
0580/41 N25	7	short answer	3
0580/41 N25	24	calculation	9
0580/21 J25	18	calculation	10
0580/41 J25	7	short answer	2

E2.10 Graphs of functions

3 questions, 23 marks • short answer, calculation, long answer

Source	Q	Type	Marks
0580/42 N25	11	short answer	6
0580/22 J25	15	calculation	5
0580/41 J25	14	long answer	12

E2.11 Sketching curves

1 question, 2 marks • calculation

Source	Q	Type	Marks
0580/21 J25	11	calculation	2

E3.1 Coordinates

1 question, 11 marks • long answer

Source	Q	Type	Marks
0580/22 N25	17	long answer	11

E3.2 Drawing linear graphs

2 questions, 10 marks • calculation x2

Source	Q	Type	Marks
0580/23 N25	22	calculation	4
0580/21 J25	6	calculation	6

E4.2 Geometrical constructions

3 questions, 15 marks • short answer x2, calculation

Source	Q	Type	Marks
0580/41 N25	5	short answer	6
0580/43 N25	4	short answer	4
0580/22 J25	2	calculation	5

E4.4 Similarity

2 questions, 12 marks • calculation x2

Source	Q	Type	Marks
0580/22 N25	11	calculation	7
0580/43 N25	22	calculation	5

E4.6 Angles

4 questions, 14 marks • short answer x2, calculation x2

Source	Q	Type	Marks
0580/22 N25	6	short answer	7
0580/22 N25	16	short answer	2
0580/43 N25	5	calculation	4
0580/22 J25	3	calculation	1

E4.7 Circle theorems I

4 questions, 29 marks • calculation x3, long answer

Source	Q	Type	Marks
0580/21 N25	14	calculation	9
0580/23 N25	21	calculation	3
0580/42 N25	12	long answer	8
0580/21 J25	10	calculation	9

E5.3 Circles, arcs and sectors

4 questions, 20 marks • short answer x2, calculation x2

Source	Q	Type	Marks
0580/22 N25	23	short answer	7
0580/23 N25	19	short answer	5
0580/42 N25	7	calculation	4
0580/41 J25	19	calculation	4

E5.4 Surface area and volume

2 questions, 16 marks • calculation x2

Source	Q	Type	Marks
0580/41 N25	14	calculation	7
0580/41 J25	20	calculation	9

E6.1 Pythagoras' theorem

1 question, 4 marks • calculation

Source	Q	Type	Marks
0580/23 N25	10	calculation	4

E6.2 Right-angled triangles

1 question, 4 marks • calculation

Source	Q	Type	Marks
0580/21 J25	20	calculation	4

E6.4 Trigonometric functions

6 questions, 39 marks • calculation x5, short answer

Source	Q	Type	Marks
0580/22 N25	19	calculation	3
0580/41 N25	29	calculation	4
0580/42 N25	15	short answer	10
0580/43 N25	18	calculation	6
0580/43 N25	24	calculation	6
0580/41 J25	17	calculation	10

E7.1 Transformations

5 questions, 32 marks • short answer x4, long answer

Source	Q	Type	Marks
0580/21 N25	5	short answer	5
0580/42 N25	8	long answer	12
0580/43 N25	7	short answer	3
0580/22 J25	5	short answer	5
0580/41 J25	4	short answer	7

E7.2 Vectors in two dimensions

6 questions, 27 marks • short answer x5, calculation

Source	Q	Type	Marks
0580/23 N25	8	short answer	3
0580/42 N25	18	short answer	4
0580/43 N25	26	short answer	5
0580/21 J25	8	calculation	4
0580/21 J25	21	short answer	5
0580/22 J25	9	short answer	6

E8.1 Introduction to probability

4 questions, 15 marks • calculation x3, short answer

Source	Q	Type	Marks
0580/22 N25	12	calculation	7
0580/23 N25	25	calculation	4
0580/43 N25	12	calculation	2
0580/22 J25	4	short answer	2

E8.4 Conditional probability

3 questions, 24 marks • long answer, short answer, calculation

Source	Q	Type	Marks
0580/21 N25	20	long answer	16
0580/23 N25	11	short answer	1
0580/21 J25	17	calculation	7

E9.2 Interpreting statistical data

5 questions, 31 marks • calculation x3, short answer x2

Source	Q	Type	Marks
0580/42 N25	6	calculation	2
0580/42 N25	16	calculation	8
0580/43 N25	23	calculation	7
0580/22 J25	13	short answer	6
0580/41 J25	15	short answer	8

E9.4 Statistical charts and diagrams

1 question, 6 marks • short answer

Source	Q	Type	Marks
0580/23 N25	6	short answer	6

E9.6 Cumulative frequency diagrams

1 question, 7 marks • long answer

Source	Q	Type	Marks
0580/41 N25	25	long answer	7