

Maths Exam Preparation

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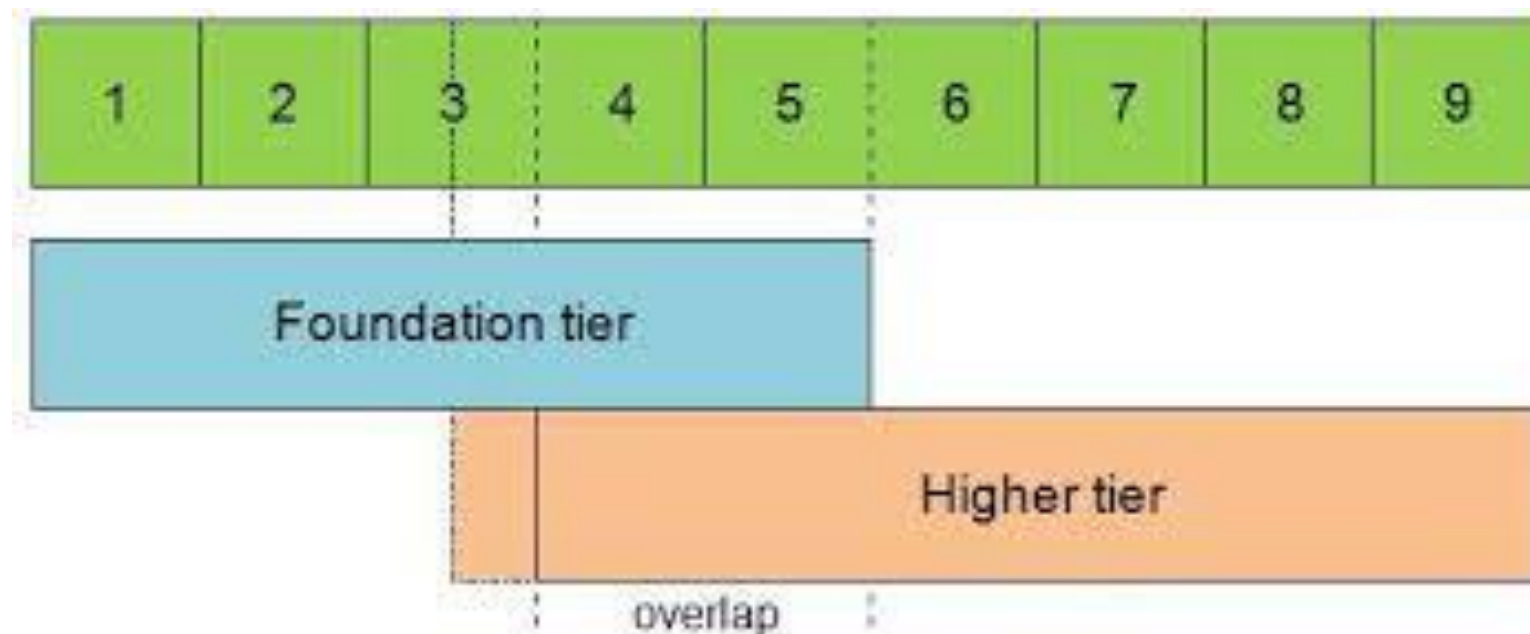
How do A*–G grades compare to 9–1 grades?

A*–G grades	9–1 grades
A*	9
A	8
	7
B	6
	5
C	4
D	3
E	2
F	1
G	1
U	U

Anchor point

Anchor point

Anchor point



There are three anchor points where standards are benchmarked between the two systems.

Key Dates

Mock Dates:

Paper 1 – Week beginning 13/2/22

Paper 2 and 3 – Week beginning 13/3/22

Exam Dates:

Paper 1 (Non-Calc) – 19th May

Paper 2 (Calc) – 7th June

Paper 3 (Calc) – 14th June

What do the next few months in Maths look like?

1. Past Papers
2. Using QLA

Questions	Question Title	Score		Clip Number
1a	Multiplication with decimals	3	/ 3	48
1b	Division of decimals	2	/ 3	50
2	Displaying sets in Venn diagrams	3	/ 3	372
3	Add or subtract fractions	2	/ 3	66
4	Percentage increase or decrease (non-calc)	4	/ 4	88
5	Share in a given ratio	3	/ 3	224
6	Volume of a prism	1	/ 3	571
7	Surface area of spheres and cuboids	4	/ 4	588,584
8	Solving quadratic equations (by factorising)	0	/ 3	233
9a	Index form (power of 0 and 1)	1	/ 1	103
9b	Multiplying numbers in index form	0	/ 1	105
9c	Index form (power of negative integers)	0	/ 1	104
9d	Index form (powers of unit fractions)	1	/ 1	108
10a	Area of a square, estimate complex calculations	3	/ 3	554,131
10b	Estimate complex calculations	1	/ 1	131
11	Forming equations, change the subject of the formula	2	/ 4	176,285
13	Convert recurring decimals to fractions	0	/ 1	53
14	Compound shapes, writing algebraic expressions	1	/ 3	555,153
15	Expressions with algebraic fractions	3	/ 3	172,244
16	Independent events	0	/ 4	360,361
17	Linear inequalities as graph regions	2	/ 3	275
18	Area of a trapezium, right-angled trigonometry, ratio	0	/ 5	559,510,332
19	Rationalising surds	0	/ 4	119
20	Equation of a circle, solving simultaneous equations	0	/ 3	778,259
21a	Composite functions	0	/ 2	293
21b	Complex problems with functions	0	/ 4	297
22	Find the turning point of quadratic graphs	0	/ 4	256
Total		36	/ 80	

Student scored
1 out of 3 on
Volume of a
Prism and
should attempt
task 571 on
Hegarty Maths

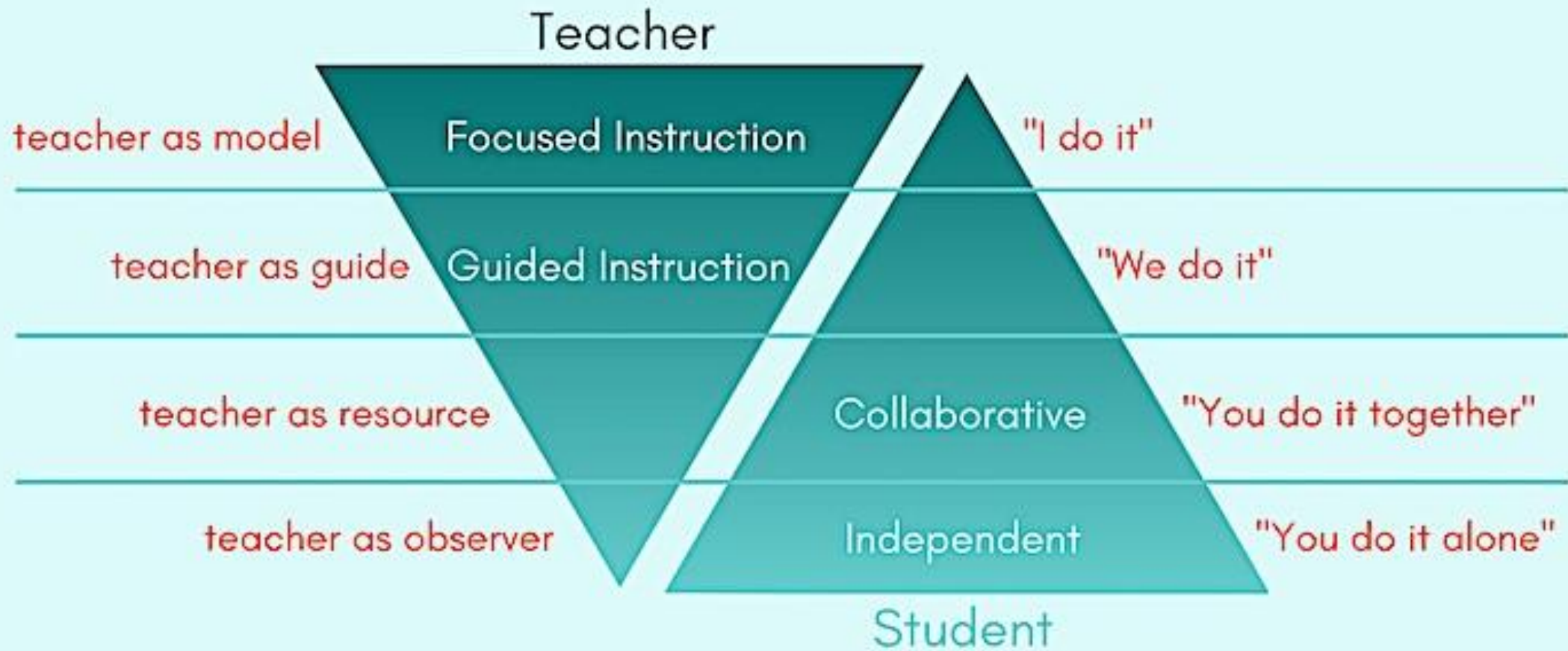
Whole Class QLA

74%	57%	95%	94%	87%	94%	67%	47%	45%	71%	55%	19%	55%	80%	68%	37%	6%	75%	27%	55%	39%	17%	4%	18%	0%	0%	1%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	19	20	21	22	23	24	25	26	27	28	29
3	3	3	3	4	3	3	4	3	1	1	1	1	3	1	4	1	3	3	4	3	5	4	3	2	4	4
Multipl ication with decimal s	Divisio n of decimal s	Displayi ng sets in Venn diagram s	Add or subtrac t fraction s	Percent age increas e or decreas e (non- calc)	Share in a given ratio	Volume of a prism	Surface area of spheres and cuboids	Solving quadra tic equatio ns (by factoris ing)	Index form (power of 0 and 1)	Multipl ying numbe rs in index form	Index form (power of negativ e integer s)	Index form (power s of unit fraction s)	Area of a square, estimat e comple x calculat ions	Estimat e comple x calculat ions	Formin g equatio ns, change the subject of the formul a	Convert recurr ing decimal s to fraction s	Compo und shapes, writing algebra ic express ions	Express ions with algebra ic fraction s	Indepe ndent events	Linear inequal ities as graph regions	Area of a trapezi um, right- angled trigono metry, ratio	Ration alising surds	Equatio n of a circle, solving simulta neous equatio ns	Compo site functio ns	Comple x proble ms with functio ns	Find the turning point of quadra tic graphs
1a	1b	2	3	4	5	6	7	8	9a	9b	9c	9d	10a	10b	11	13	14	15	16	17	18	19	20	21a	21b	22
3	2	3	3	3	3	3	4	0	1	1	1	1	1	0	2	0	2	3	4	0	0	4	0	0	0	0
2	3	3	3	4	3	3	1	0	1	1	0	1	2	0	2	0	3	3	4	2	2	0	0	0	0	0
3	3	3	3	4	3	3	4	3	1	1	1	1	3	1	2	1	3	3	4	3	5	0	2	0	0	0

What do the next few months in Maths look like?

1. Past Papers
2. Using QLA
3. Hegarty
4. Gradual Release of Responsibility

Gradual Release of Responsibility



Example of Gradual Release

I DO

Expand $7(x + 4)$

$$7 \times x + 7 \times 4$$

$$= 7x + 28$$

WE DO

Expand $10(x + 9)$

What do the next few months in Maths look like?

1. Past Papers
2. Using QLA
3. Hegarty
4. Gradual Release of Responsibility
5. Mark Schemes
6. Mocks
7. Breakfast AM Revision

Websites

- Hegarty Maths – all students have used this over the last year for their homework. All QLA's link to this as well.
- Maths Genie – exam style questions on almost all GCSE topics, ranked by Grade, with written solutions available.

MathsGenie

Maths Genie

[GCSE Revision](#)

[GCSE Papers ▼](#)

[A Level Revision](#)

[A Level Papers ▼](#)

[KS2 Revision](#)

[Resources](#)

Grade 5

Videos	Exam Questions	Exam Questions Booklet	Solutions
Writing a Ratio as a Fraction or Linear Function	Exam Questions Exam Questions	Ratio Fraction Problems Ratio Problems 2	Solutions Solutions
Direct and Inverse Proportion	Exam Questions	Direct and Inverse Proportion	Solutions
Reverse Percentages	Exam Questions	Reverse Percentages	Solutions
Standard Form	Exam Questions	Standard Form	Solutions
Speed and Density	Exam Questions	Compound Measures	Solutions
Changing the Subject of a Formula	Exam Questions	Changing the Subject of a Formula	Solutions
Expanding and Factorising Quadratics	Exam Questions	Expanding and Factorising Quadratics	Solutions
Solving Quadratics	Exam Questions	Solving Quadratics	Solutions
Drawing Quadratic Graphs		Quadratic Graphs	Solutions
Drawing Other Graphs: Cubic/Reciprocal		Cubic/Reciprocal Graphs	Solutions

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- OnMaths – online practice papers that will self mark for students to get instant feedback.

[Predicted Papers](#)[Mini Predicted Papers](#)[Topics](#)[Demon Questions](#)[Mini Mocks](#)

**Start
understanding
GCSE maths**

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- OnMaths – online practice papers that will self mark for students to get instant feedback.
- ExamQ – students can do question based on a whole range of filtered options.
- Year 11 Google Classroom – lots of resources shared for exam prep.

Tips

- 1) Time Management
- 2) Read the question carefully and consider exam vocabulary:
- 3) Show working and learn how to check answers. For example, substituting your answers back into equations to see if they work can help you find out if you have made any errors.
- 4) Do Maths!
- 5) Make use of Diagrams.
- 6) Rounding and Units
- 7) Equipment

Questions?

If you need any further information please drop me an email:

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