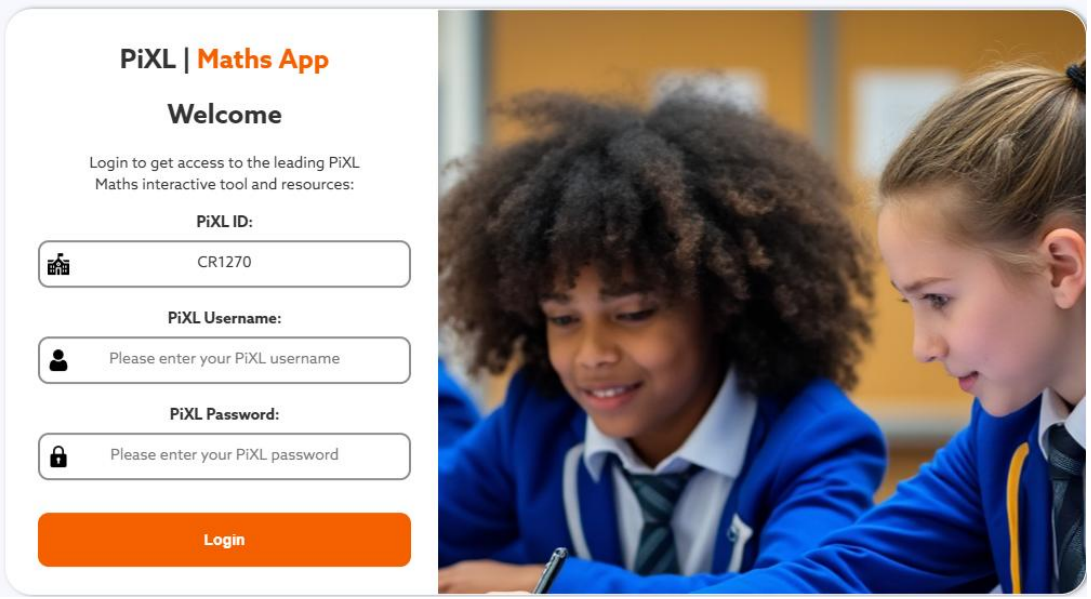
Year 10/11 Revision Evening

Maths - Pearson Edexcel Exam Board

QLA- Question Level Analysis

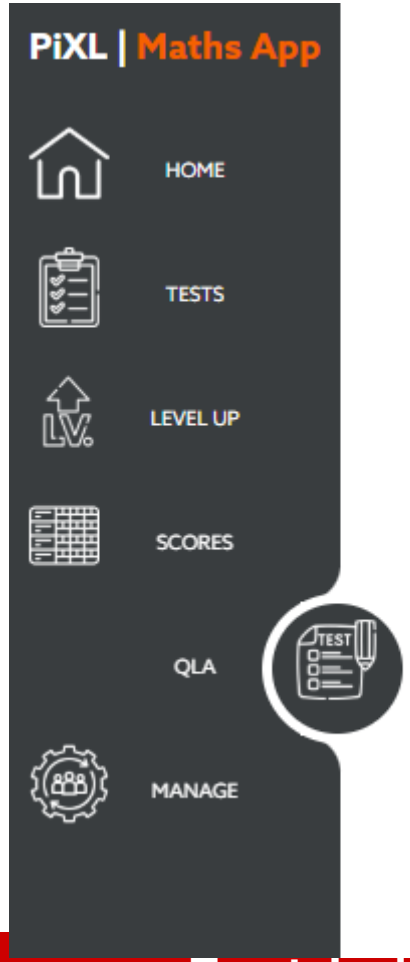


Following the mock exams all students have inputted their results into the PIXL Maths App.

This is available online for students to use both in and outside of school to aid their revision.

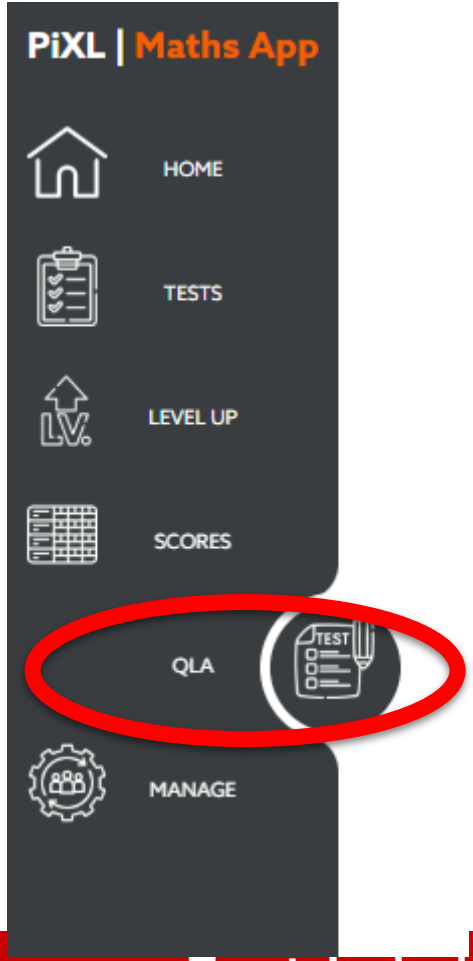
Login Details have been shared with your children and we can share with you too.
E.g.

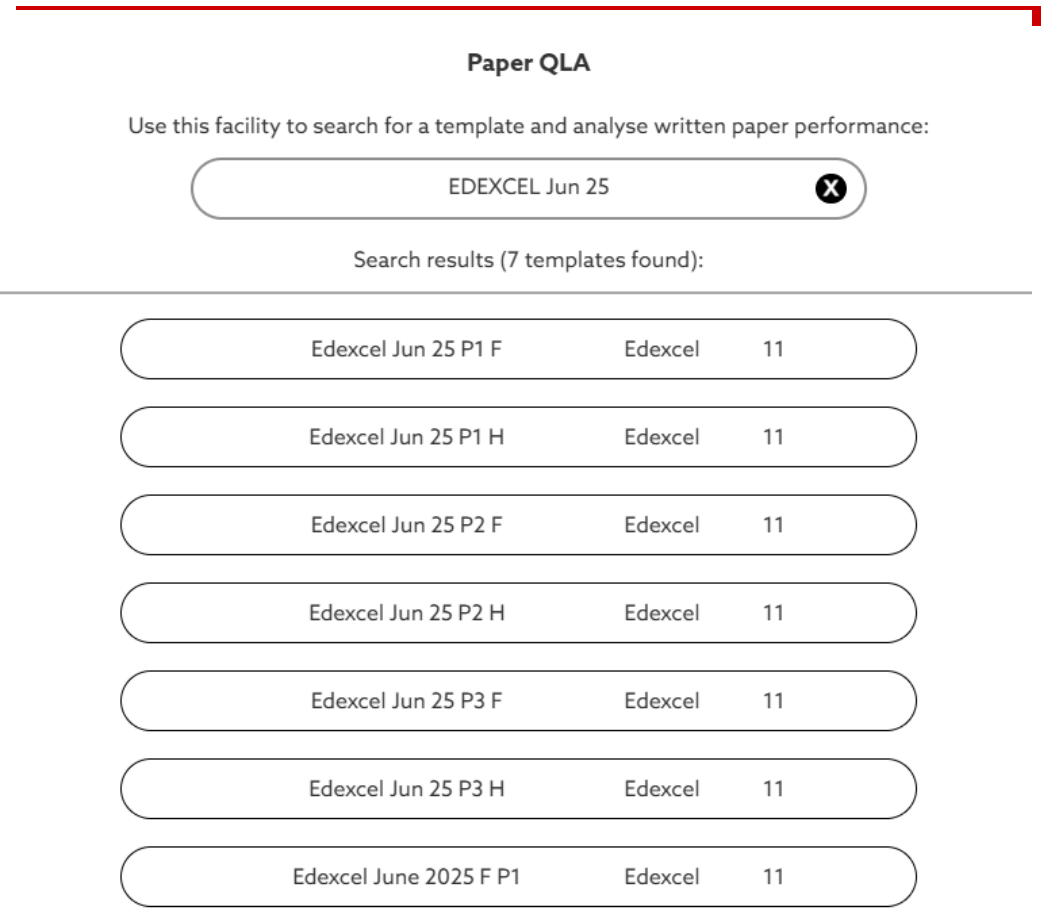
School ID: CR1270
Username: HOLLMANO
Password: HOLLMAN123RANDOM



The main menu looks like this:

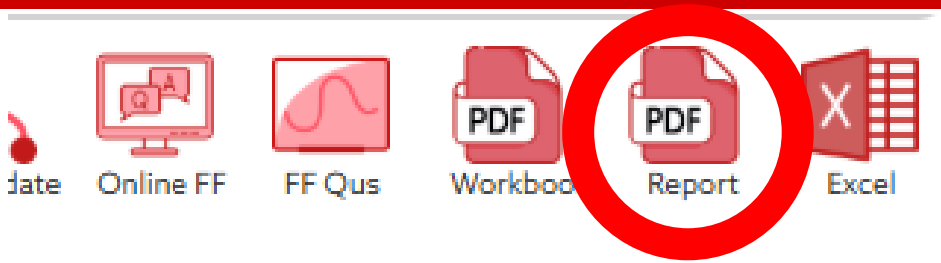
Click on QLA





In the search bar- search EDEXCEL Jun 25.

Select the appropriate tier.



Select the button that says report, which will create a list of topics that students need to focus on.

Qu & id	Skill	RAG	Score	Total
1 (N07)	Find the HCF or LCM of 2 numbers	G	2	2
2a (P05)	Complete a table of the likelihood of outcomes of a mutually exlusive event where 2 of the outcomes are equally likely	G	3	3
2b (P06)	Use relative frequency to calculate the expected frequency	G	2	2
3a (A16)	Complete a table of coordinate pairs for quadratics y=x^2+bx+c or cubics y=x^3 + bx^2 + d	G	2	2
3b (A16)	Draw a quadratic y=ax^2+c or cubic y=ax^3 + cx function	A	1	2
3c (A06)	All quadrants	R	0	1
4a (R05)	Combine 2 separate ratios comparing different quantities and problem solve when interpreting the resulting ratio	G	4	5
4b	Understand the impact on a ratio of variables changing	R	0	1
5 (N54)	Add and subtract numbers written in standard form with different powers of 10	G	3	3
6 (G11)	Use an interior angle of a regular n-sided polygon to calculate the number of sides	R	1	4
7a (A04)	Simplify	G	1	1
7b (A43)	Solve a 2 step inequality where x has a positive coefficient	A	2	3
7c (A43)	Solve a compound inequality in the form of a<bx+c<d	R	0	2
8a (G19)	Are two given shapes similar?	R	0	2
8b (G19)	Use a scale factor to find an unknown side (harder)	G	3	3
9a (G13)	Rotate a shape about a point	G	2	2
9b (G16)	Enlarge a shape by a negative scale factor	G	2	2
10 (A02)	Show that a harder expression is a even, odd, multiple of or factor of a number	R	0	3
11 (R11)	Direct proportion non linear model	R	2	5
12ai (A13)	Calculate a rate of change at a point	R	0	3
12aii (A13)	Analysing the meaning of the rate of change	R	0	1
12b (A18)	Estimate the area under a graph (quadratic)	R	0	3
13 (N18)	Convert a recurring decimal to a fraction (harder)	G	4	5

This report will give students a clear indication of which topics they need to focus on.

Green topics, they achieved well in.

Amber topics, they scored partial marks.

Red topics are the ones in which students should focus their revision on.

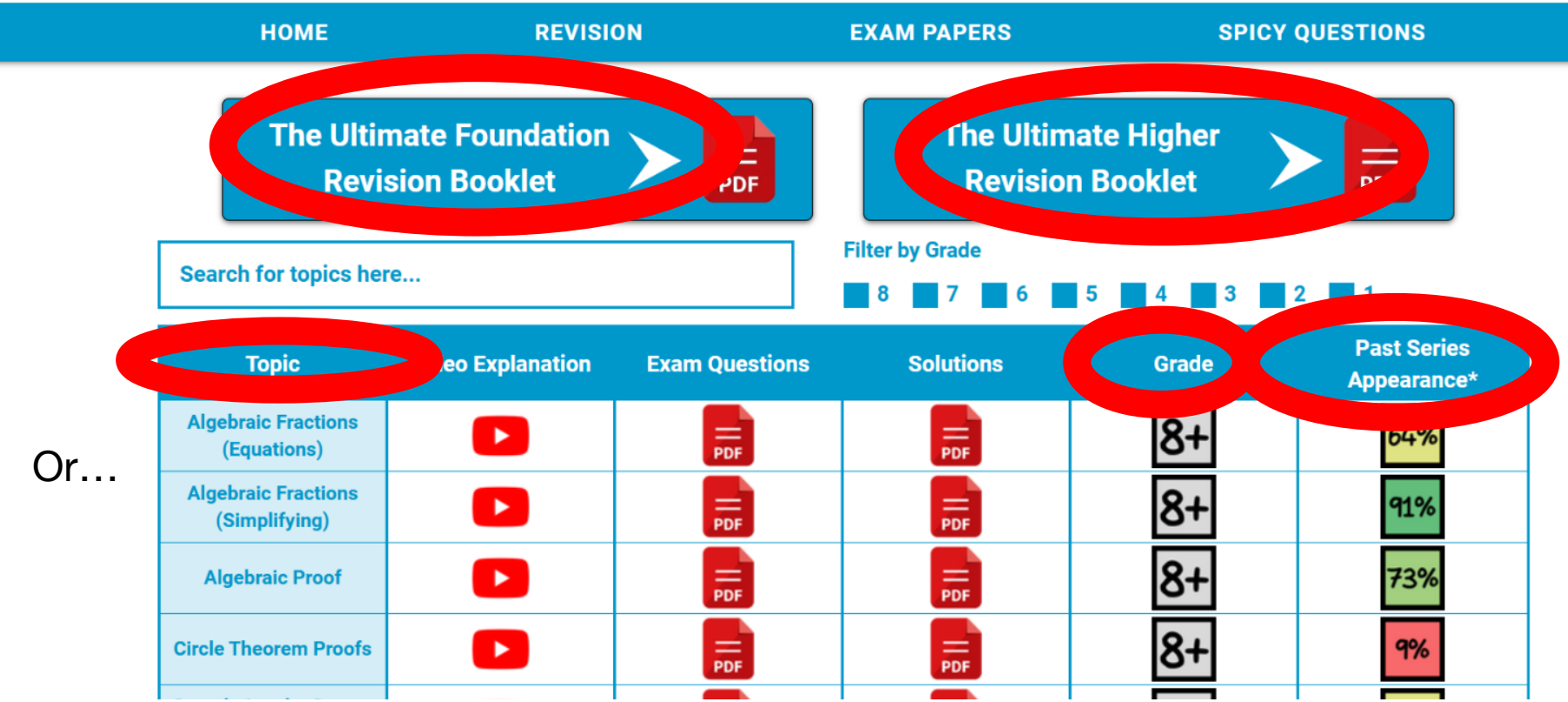
ration

CRESTWOOD COMMUNITY SCHOOL

BUT HOW?

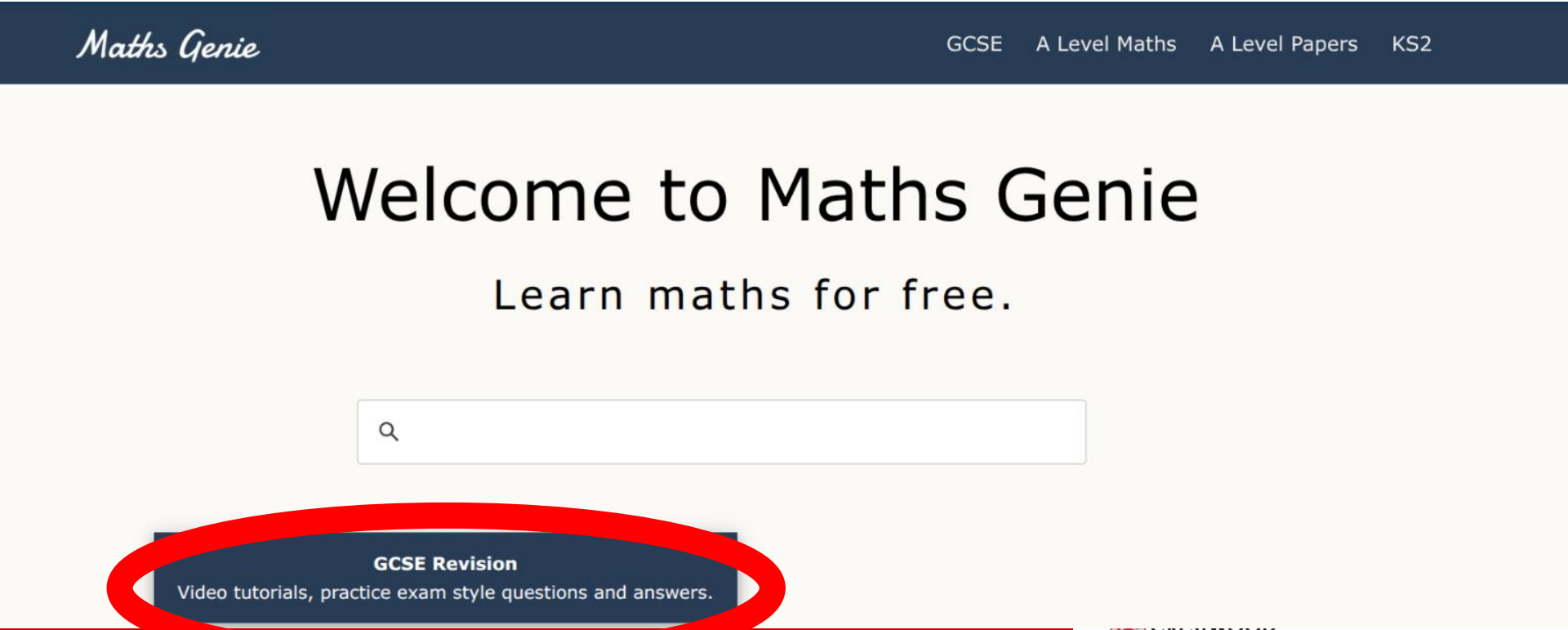
On PIXL

1st class maths



Or…

Maths Genie - Old site - https://www.old.mathsgenie.co.uk/

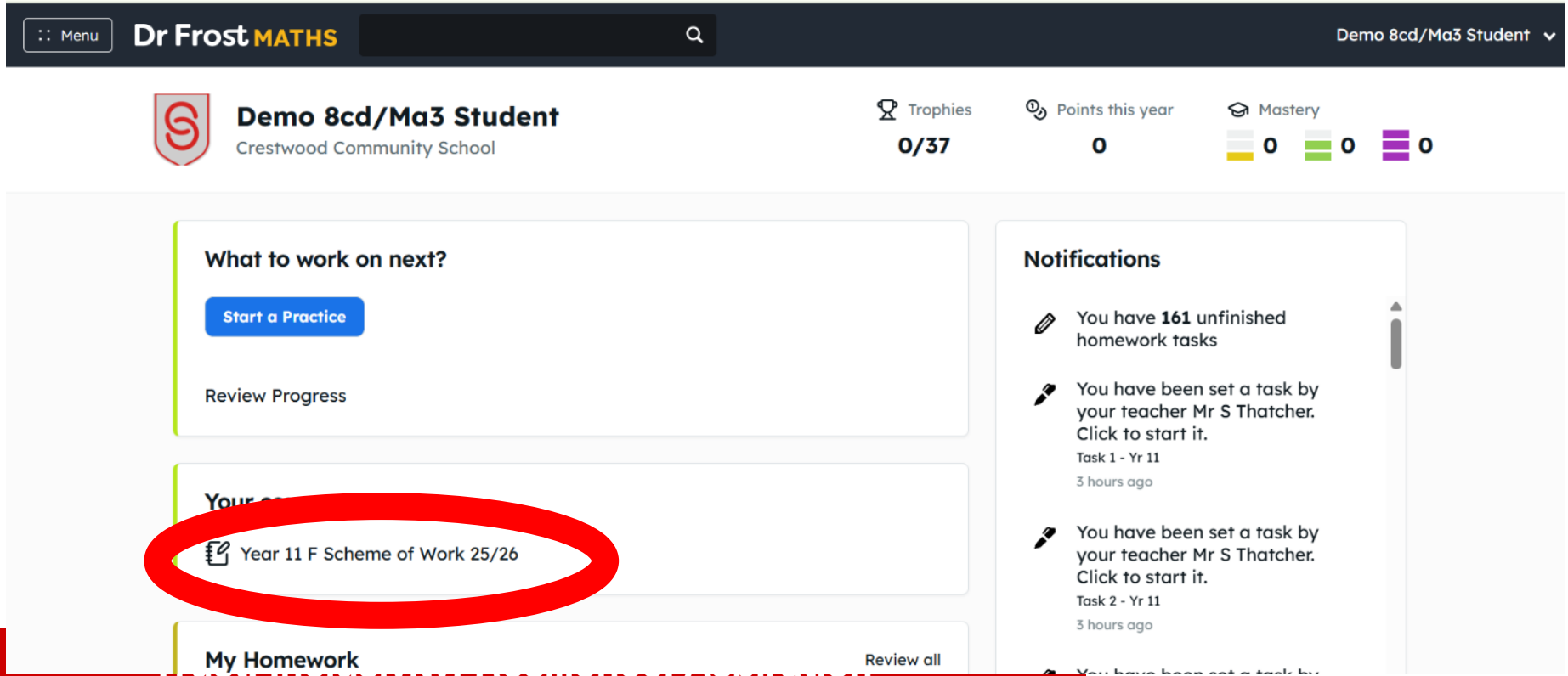


3.20	Two Way Tables	Exam Questions	Two Way Tables	Solutions

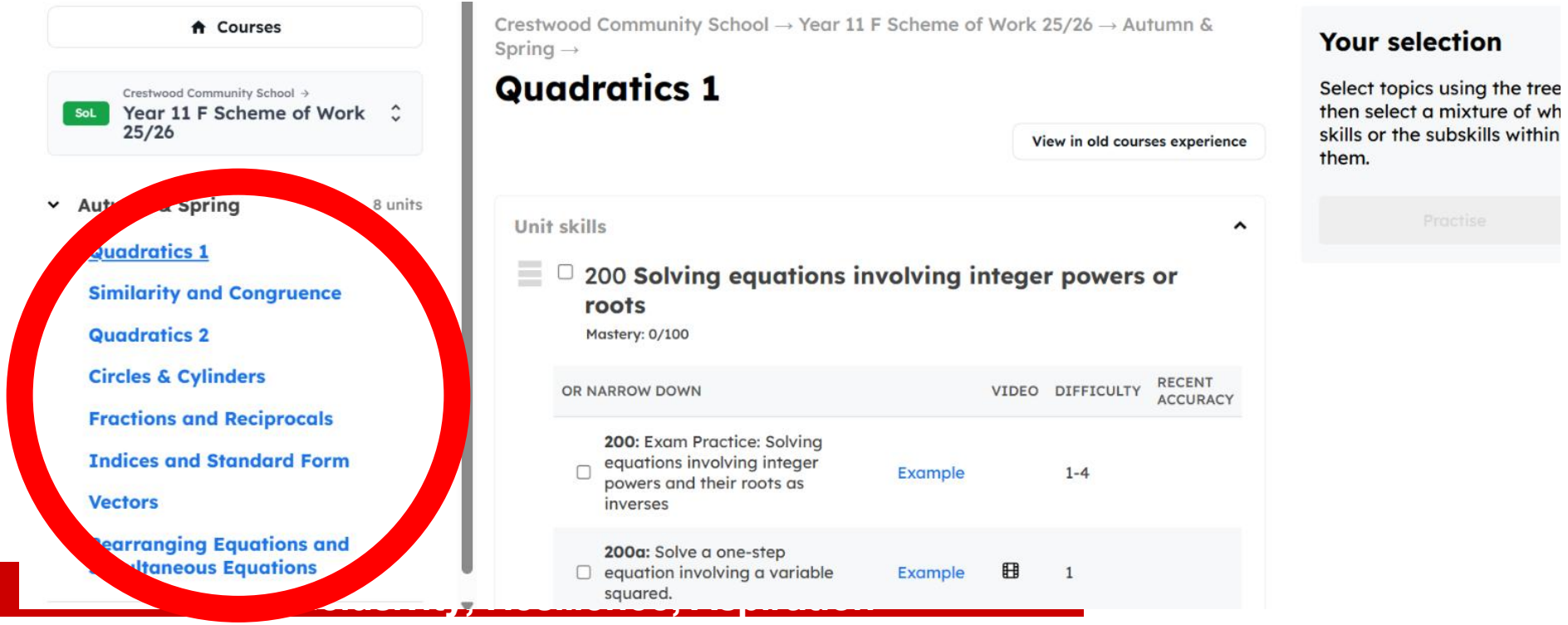
Grade 4

#	Videos	Exam Questions	Exam Questions Booklet	Solutions
4.1	Compound Interest and Depreciation	Exam Questions	Compound Interest and Depreciation	Solutions
4.2	Indices	Exam Questions	Indices	Solutions
4.3	Prime Factors, HCF and LCM	Exam Questions	HCF, LCM	Solutions
4.4	Real Life and Distance Time Graphs		Real Life Graphs	Solutions
4.5	Inequalities	Exam Questions	Inequalities	Solutions
4.6	Forming and Solving Equations	Exam Questions	Forming and Solving Equations	Solutions
4.7	Sequences (Nth Term)	Exam Questions	Sequences (nth term)	Solutions
4.8	Expanding and Factorising	Exam Questions	Expand and Factorise	Solutions
4.9	Pythagoras	Exam Questions	Pythagoras	Solutions

Dr Frost


Menu
Dr Frost MATHS
Demo 8cd/Ma3 Student
Demo 8cd/Ma3 Student
Crestwood Community School
Trophies
0/37
Points this year
0
Mastery
0
0
0
What to work on next?
Start a Practice
Review Progress
Year 11 F Scheme of Work 25/26
My Homework
Review all
Notifications
You have 161 unfinished homework tasks
You have been set a task by your teacher Mr S Thatcher. Click to start it.
Task 1 - Yr 11
3 hours ago
You have been set a task by your teacher Mr S Thatcher. Click to start it.
Task 2 - Yr 11
3 hours ago

Dr Frost


Courses
Crestwood Community School →
SoL
Year 11 F Scheme of Work 25/26
Spring
8 units
Quadratics 1
Similarity and Congruence
Quadratics 2
Circles & Cylinders
Fractions and Reciprocals
Indices and Standard Form
Vectors
Crestwood Community School → Year 11 F Scheme of Work 25/26 → Autumn & Spring →
Quadratics 1
View in old courses experience
Unit skills
200 Solving equations involving integer powers or roots
Mastery: 0/100
OR NARROW DOWN
VIDEO
DIFFICULTY
RECENT ACCURACY
200: Exam Practice: Solving equations involving integer powers and their roots as inverses
Example
1-4
200a: Solve a one-step equation involving a variable squared.
Example
1
Your selection
Select topics using the tree
then select a mixture of wh
skills or the subskills within
them.
Practise

Dr Frost

200a: Solve a one-step equation involving a variable squared.

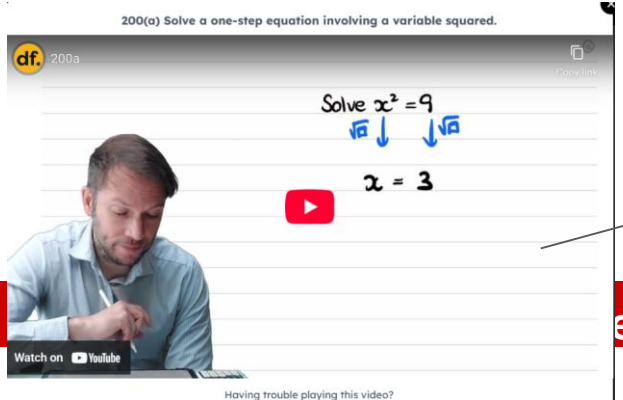
Solve

$16 = p^2$

$p =$ ☐

or $p =$ ☐

Submit Answer



200 Solving equations involving integer powers or roots

Mastery: 0/100

OR NARROW DOWN	VIDEO	DIFFICULTY	RECEN ACCU
☐ **200:** Exam Practice: Solving equations involving integer powers and their roots a inverses	Example	1-4	
☐ **200a:** Solve a one-step equation involving variable squared.	Example	1	
☐ **200b:** Solve a one-step equation involving a variab cubed.	Example	1	
☐ **200c:** Solve a one-step equation involving a power of a variable where the power is 4 or above.	Example	1	

On Maths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All · Algebra · Algebraic fractions · Add and subtract algebraic fractions
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Add and Subtract Fractions (Higher)
All · Number · Fractions · Add and Subtract Fractions
Grade 1 2 3 4 5 6 7 8 9

Algebraic Indices Involving Brackets (Higher)
All · Algebra · Algebraic indices · Algebraic indices with brackets
Grade 1 2 3 4 5 6 7 8 9

Angle Properties (Higher)
All · Geometry and measures · Angles · Angle Properties
Grade 1 2 3 4 5 6 7 8 9

Angles With Algebra (Higher)
All · Geometry and measures · Angles · Angles With Algebra
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Applying Circle Theorems (Higher)
All · Geometry and measures · Circle Theorems · Applying Circle Theorems
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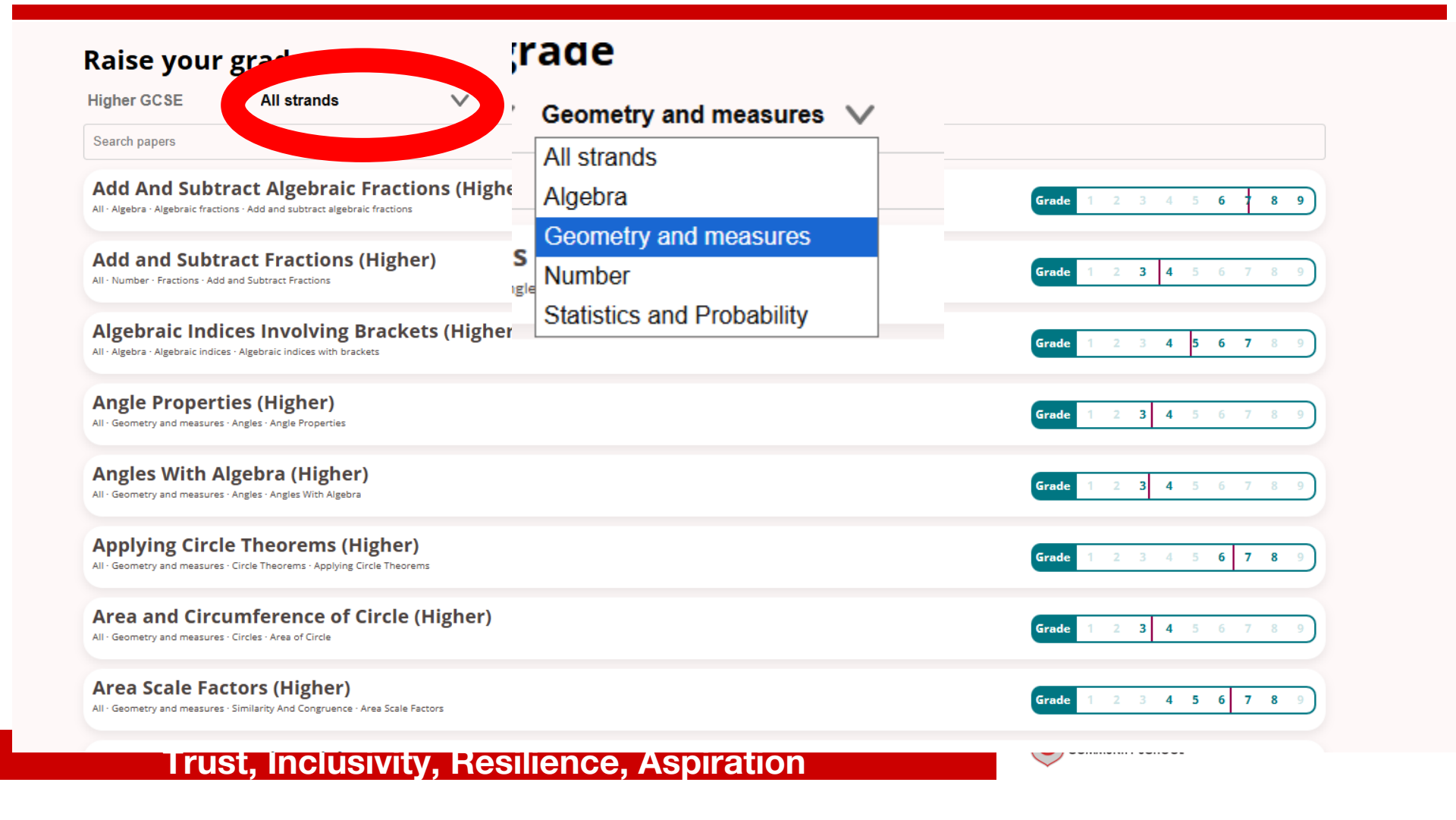
Area and Circumference of Circle (Higher)
All · Geometry and measures · Circles · Area of Circle
Grade 1 2 3 4 5 6 7 8 9

Area Scale Factors (Higher)
All · Geometry and measures · Similarity And Congruence · Area Scale Factors
Grade 1 2 3 4 5 6 7 8 9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All · Algebra · Algebraic fractions · Add and subtract algebraic fractions
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Add and Subtract Fractions (Higher)
All · Number · Fractions · Add and Subtract Fractions
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Grade 1 2 3 4 5 6 7 8 9
Area Scale Factors (Higher)
All · Geometry and measures · Similarity And Congruence · Area Scale Factors
Grade 1 2 3 4 5 6 7 8 9

Maths GCSE

Expand/Factorise (x^2 + bx + c) (Higher)

Algebra - Quadratics - Factorise (x^2 + bx + c)

All

www.onmaths.com

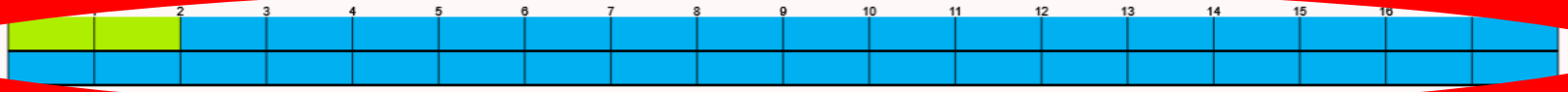
Information

- Make sure you check our tutorial on how to answer each question.
- For essays, you will need to move sentences around to create the best possible answer.
- This site, and all that work on it, have no affiliation or relationship with any exam board.
- This site is not endorsed by any company or charity, unless we state otherwise.

Advice

- Click 'Mark' to mark your answer, once a question is marked, it cannot be edited.
- The questions must be done in order, from Q1 onwards.
- Each question will change subtly every time you take this test.
- Your mark for the paper will only save if you are logged in AND you fully complete the paper.

Start Paper



Q1

Expand and simplify

$$(x+5)(x+6)$$

(0 out of 2 marks)

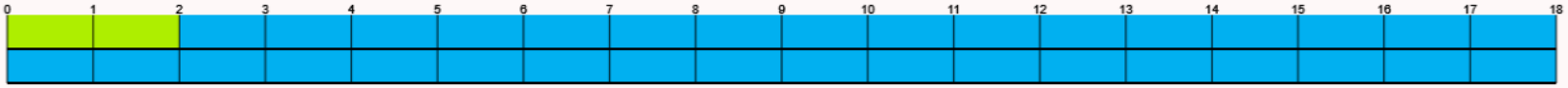
Answer area

Your answer | Correct answer

$x^2+11x+30$

a = 11

b = 30



Q1

Annotations

Expand and simplify

$$(x+5)(x+6)$$

(0 out of 2 marks)

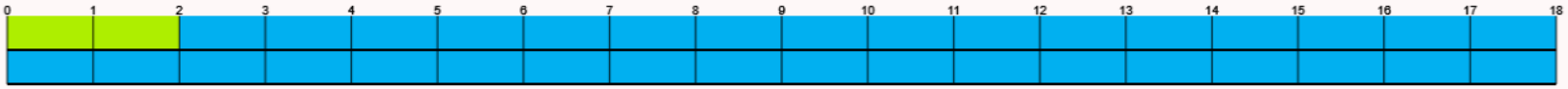
Answer area

Your answer | Correct answer

$x^2+11x+30$

a = 11

b = 30



Q1 Annotations

Expand and simplify

$$(x+5)(x+6)$$

(0 out of 2 marks)

Answer area

Your answer | Correct answer

$x^2+11x+30$

a = 11

b = 30

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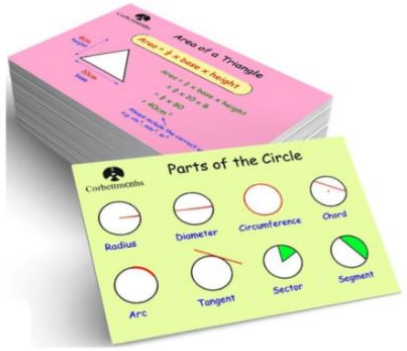
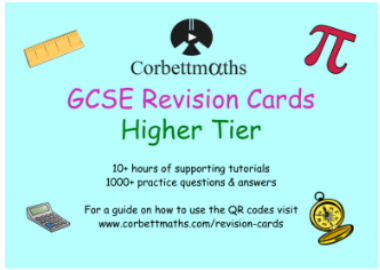
Available for Higher or Foundation Tier



5-a-day Wor

5 / 7

Trust, Inclusivity, Resilience, Aspiration



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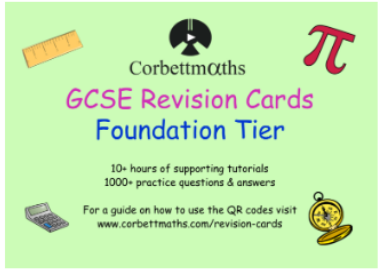

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What does a maths GCSE paper look like?

- 3 papers.
- 1 non-calculator, 2 calculator
- Each paper is 80 marks
- 90 minutes
- ANY topic could come up

Any questions?