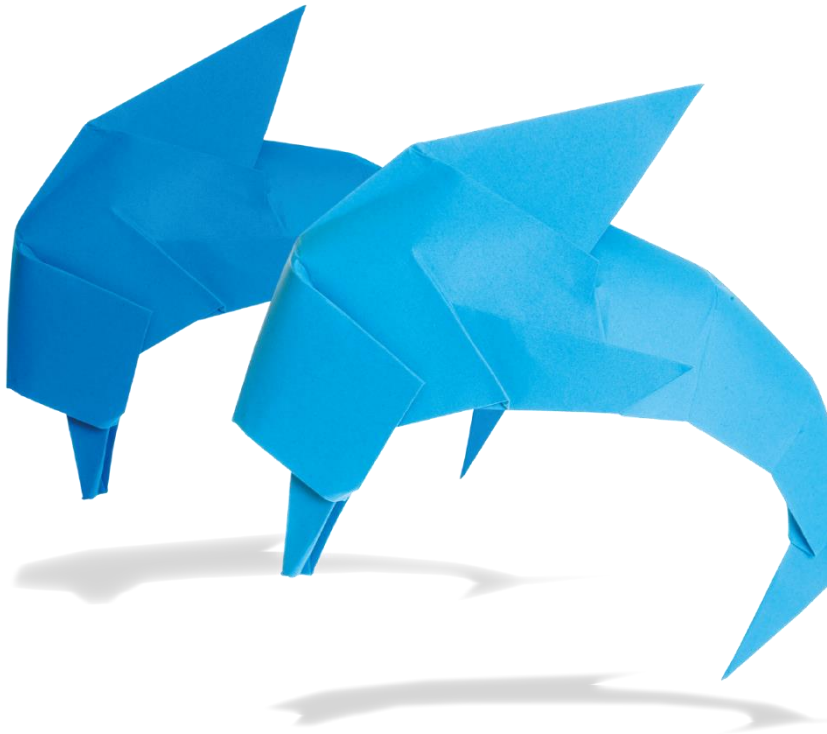
GCSE Mathematics

Using Performance Data to Identify Areas of Improvement

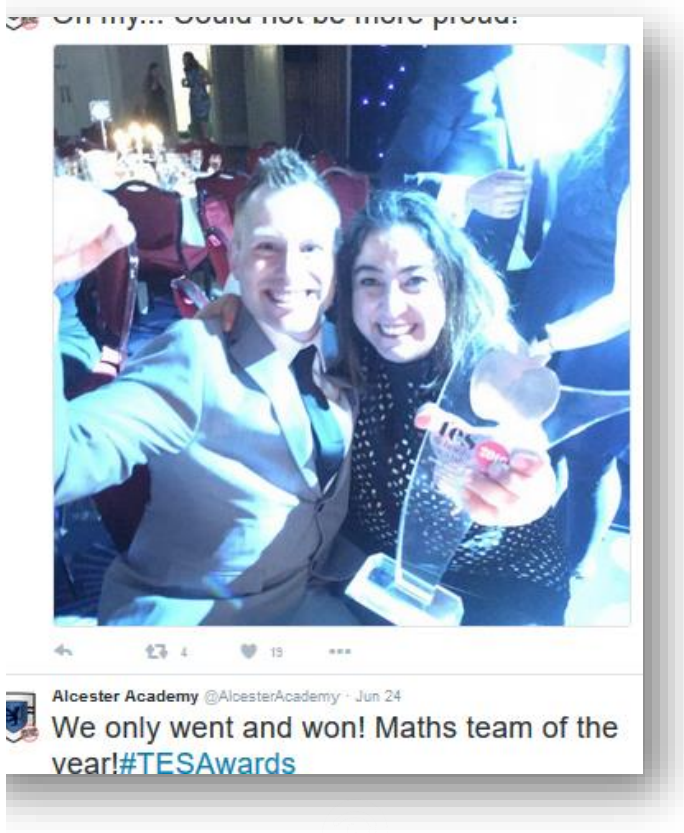
Chris Seager and Mel Muldowney



Welcome!

First and foremost…we are teachers!

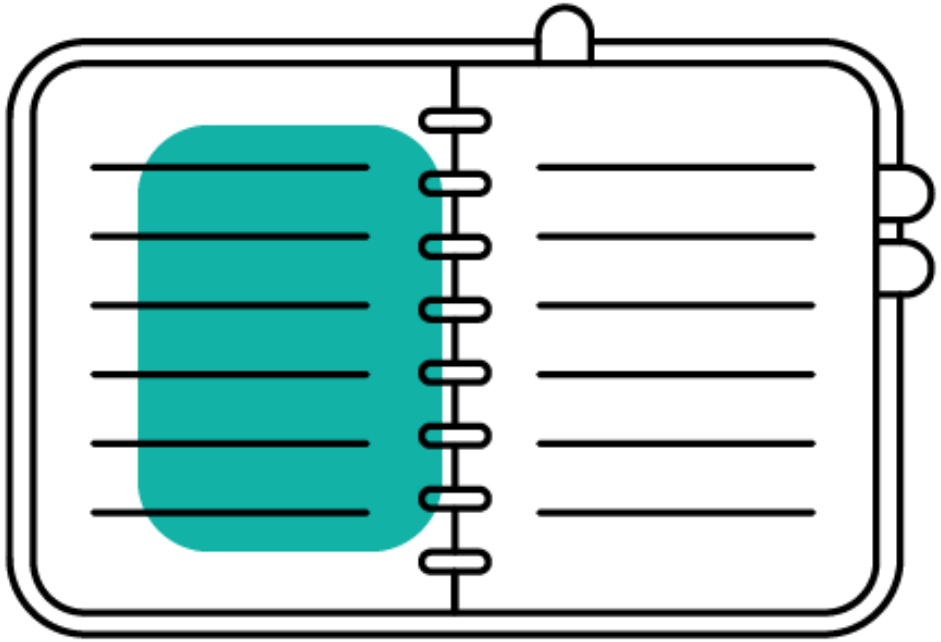
- Most improved school in England
- TES Maths Team of year
- JustMaths



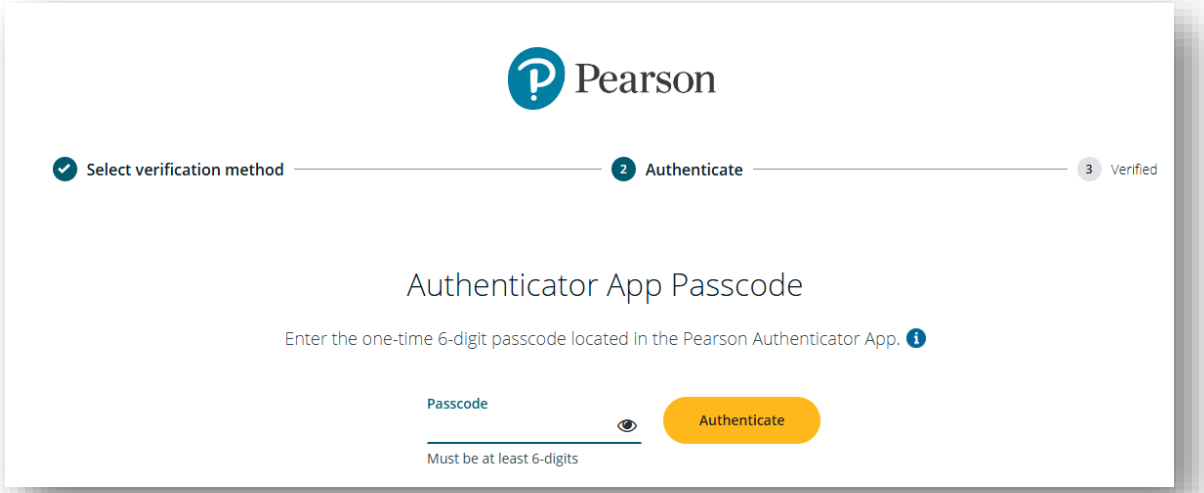
Aims and objectives

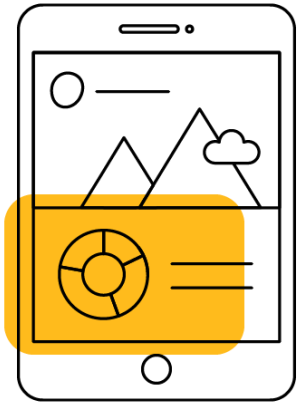
After this, we hope you will:

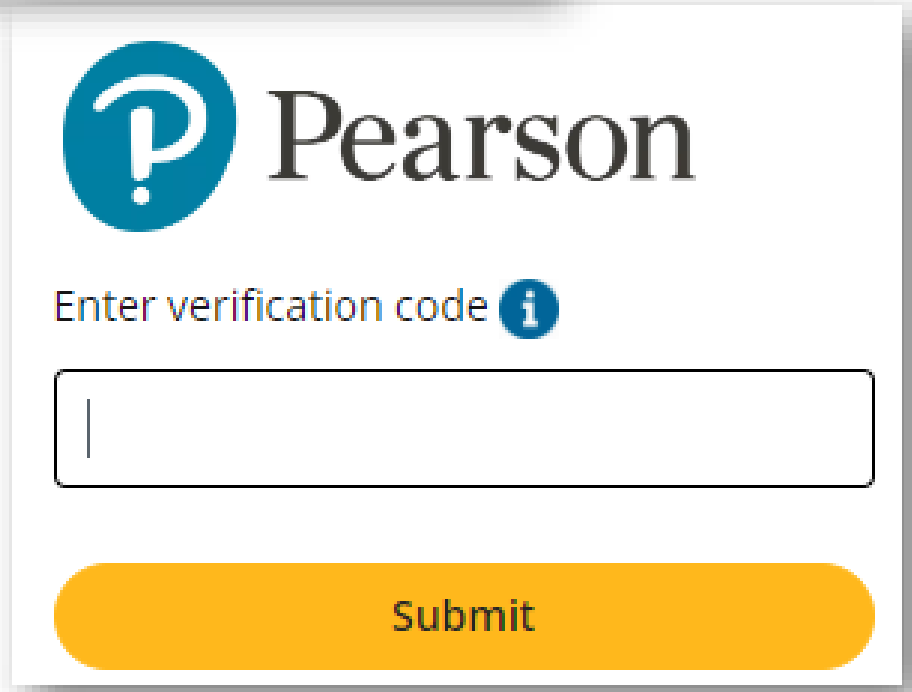
- Have some ides as to how to use ResultsPlus to drive improvements and learn from mistakes!
- But first … it's all about context



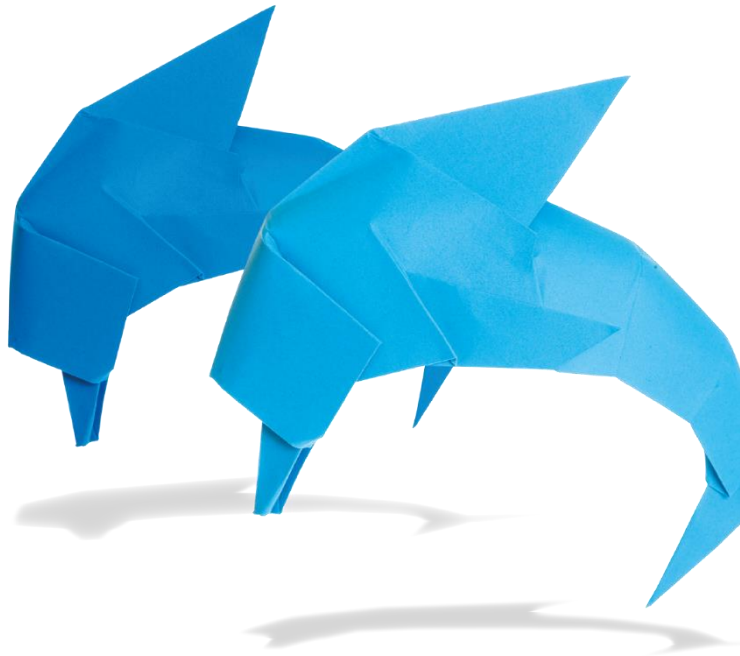
REMEMBER – Download the Pearson Authenticator App!



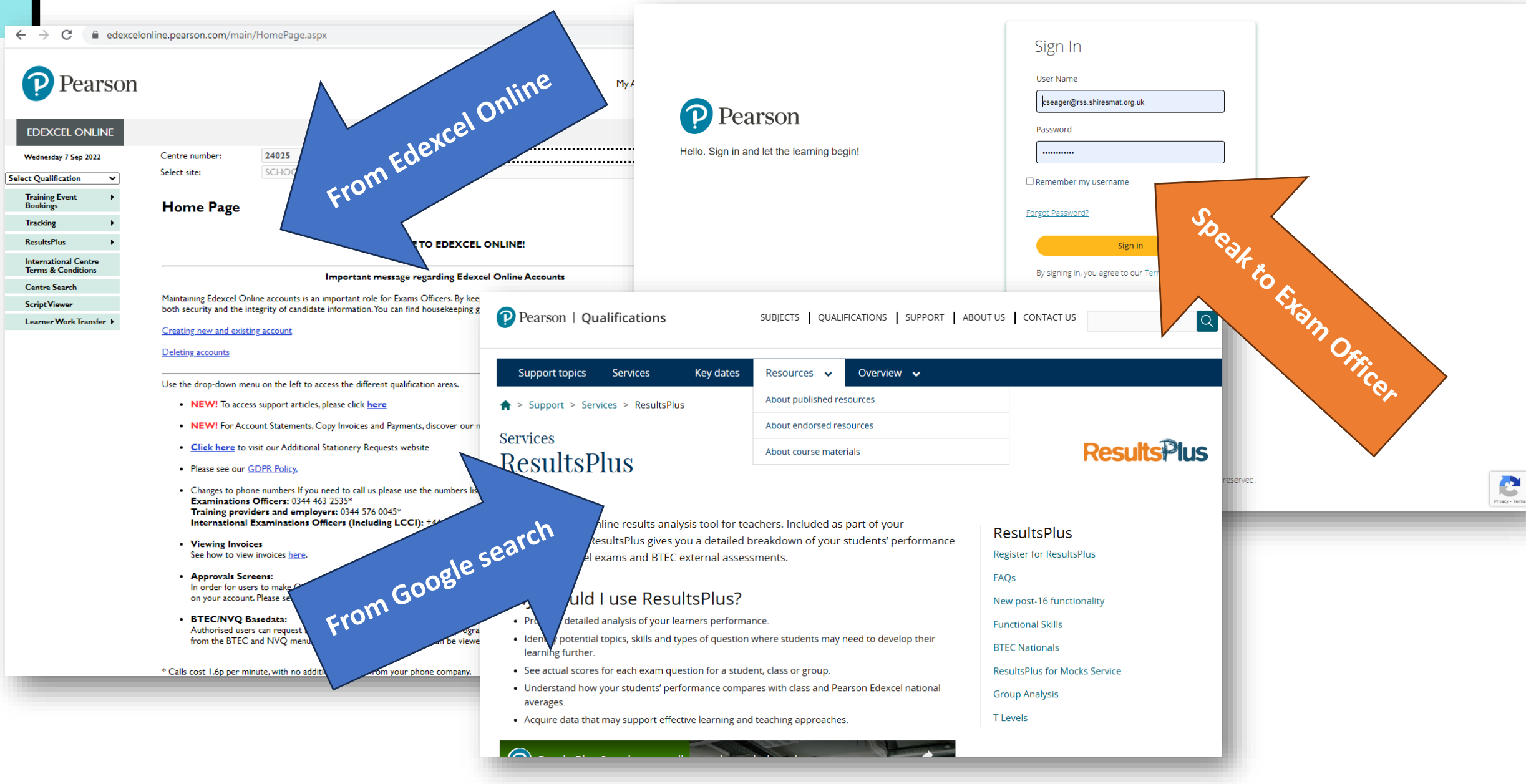




What is ResultsPlus?



https://qualifications.pearson.com/en/support/Services/ResultsPlus.html (Google 'Results Plus')



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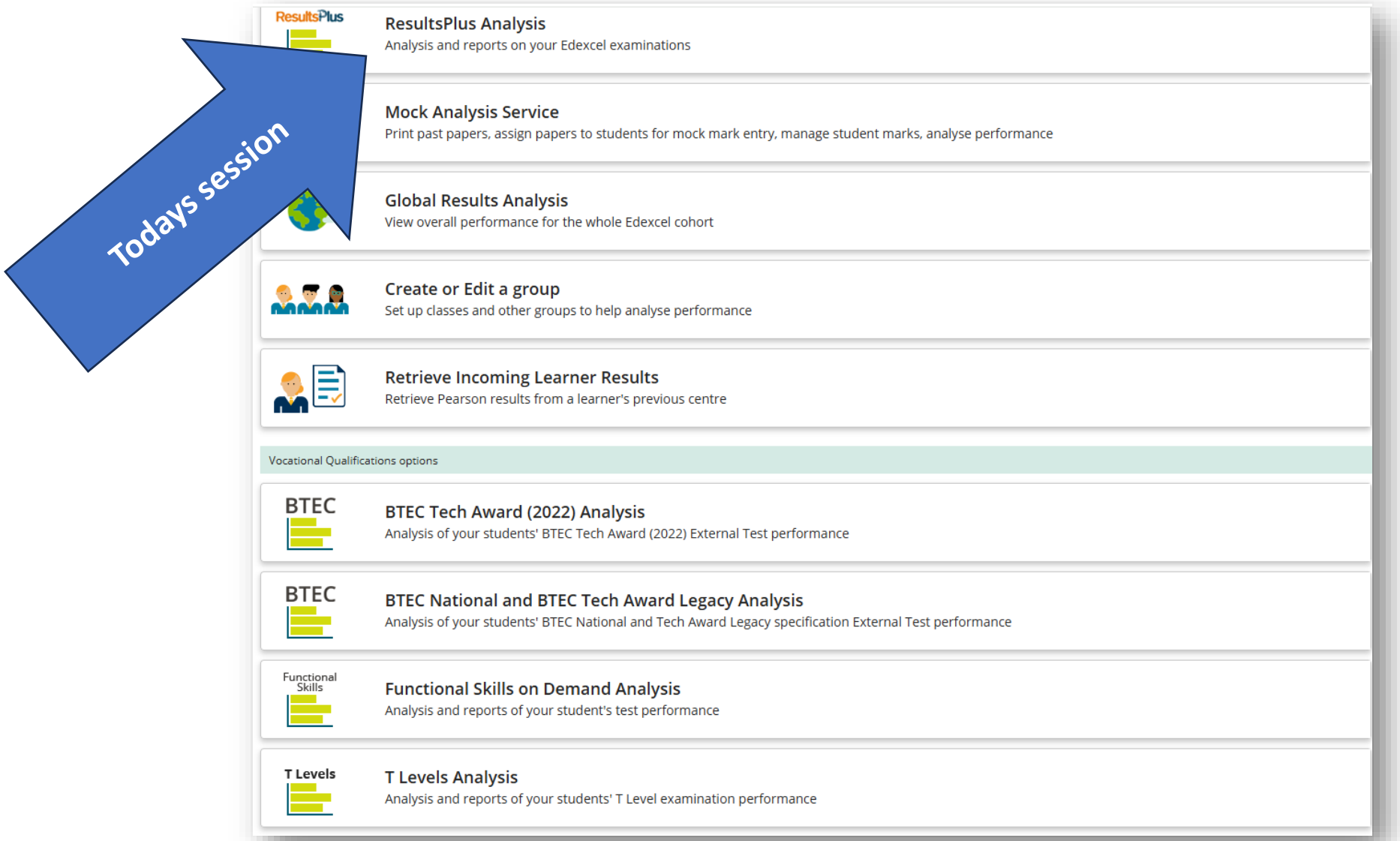

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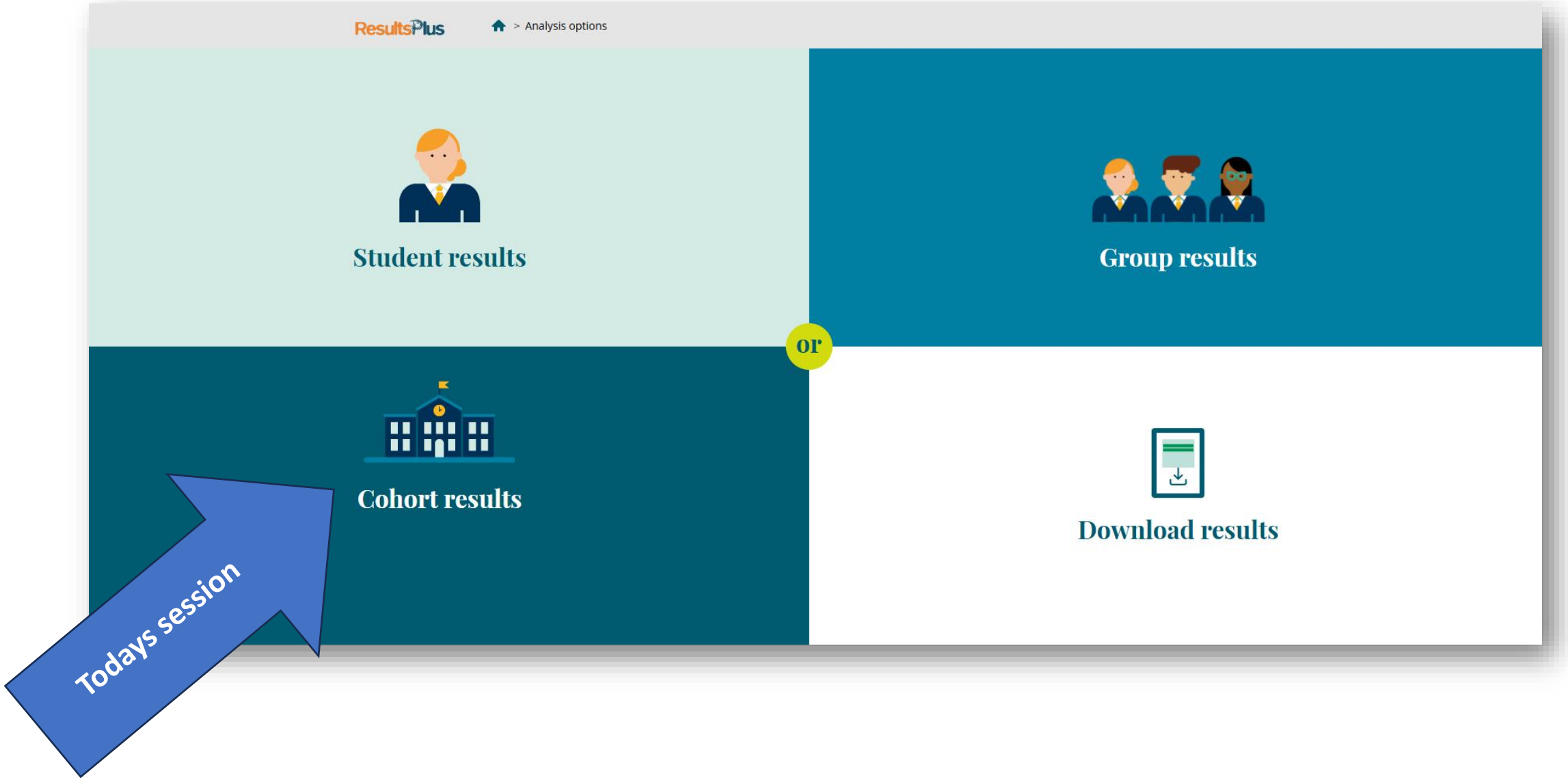

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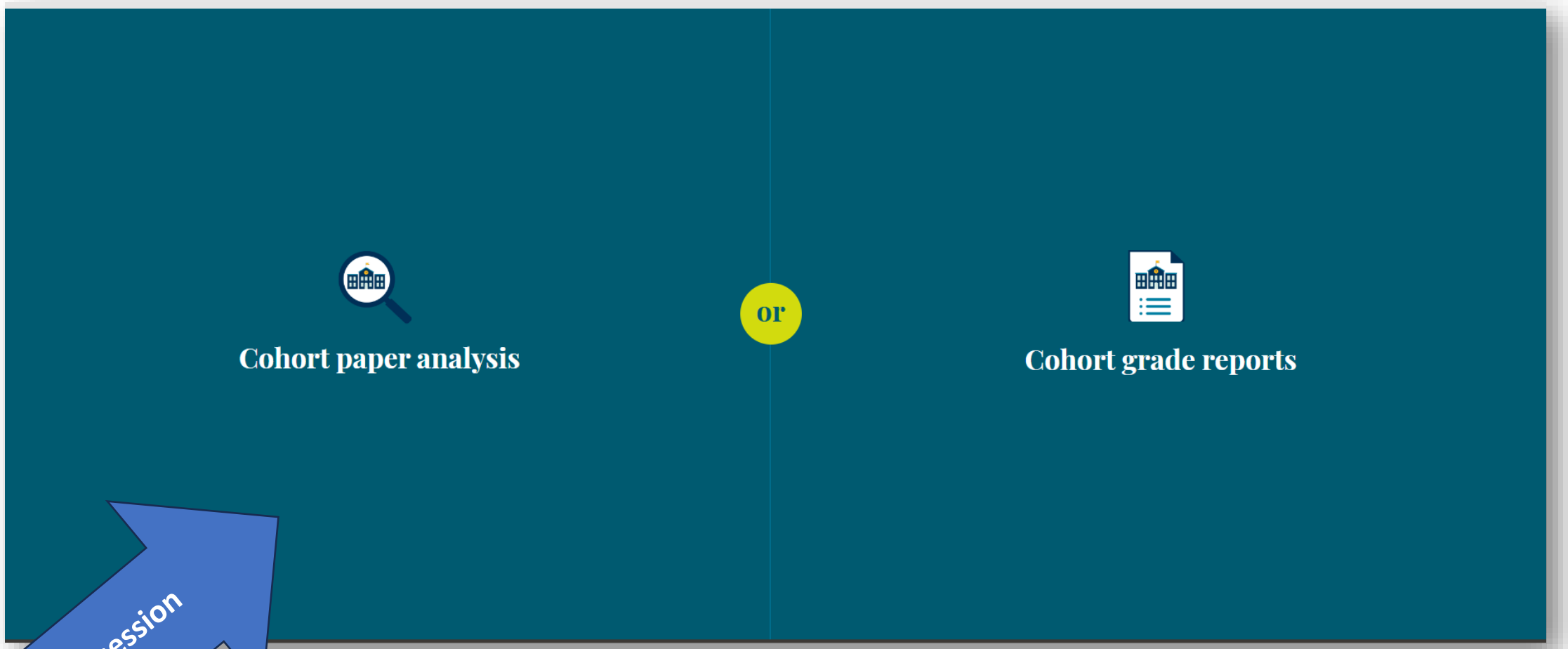

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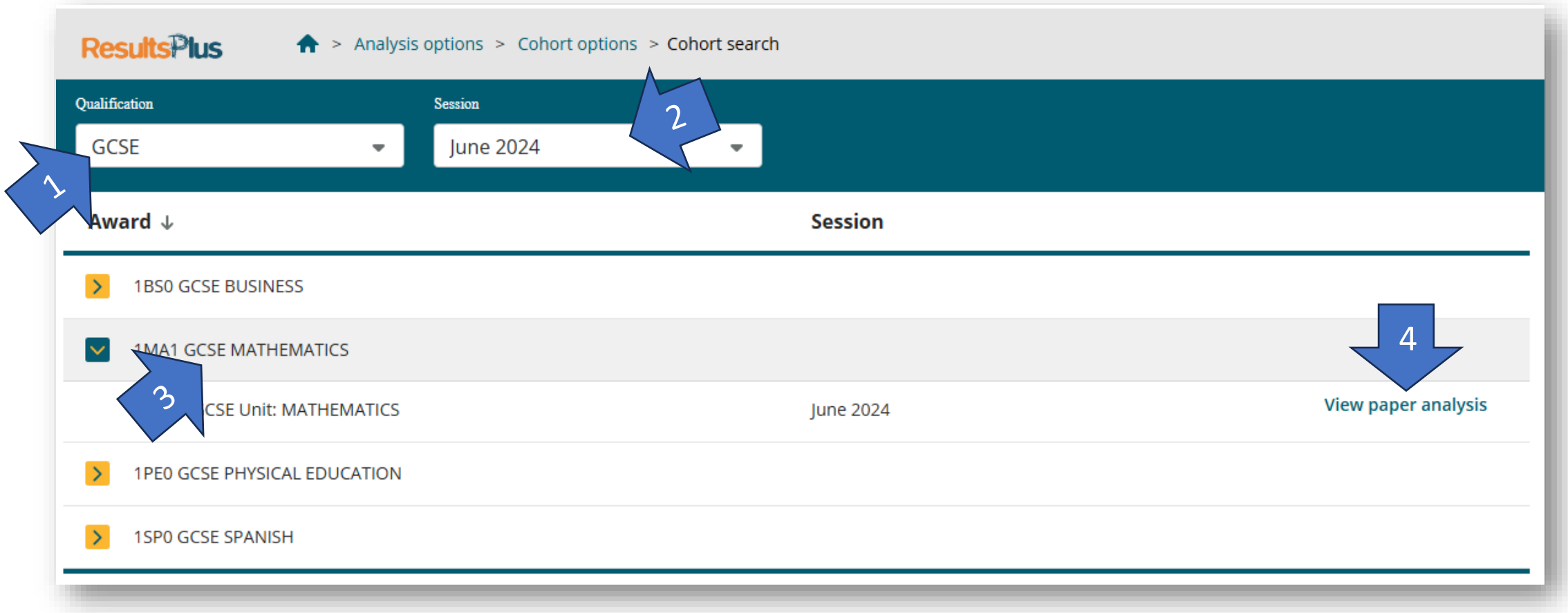

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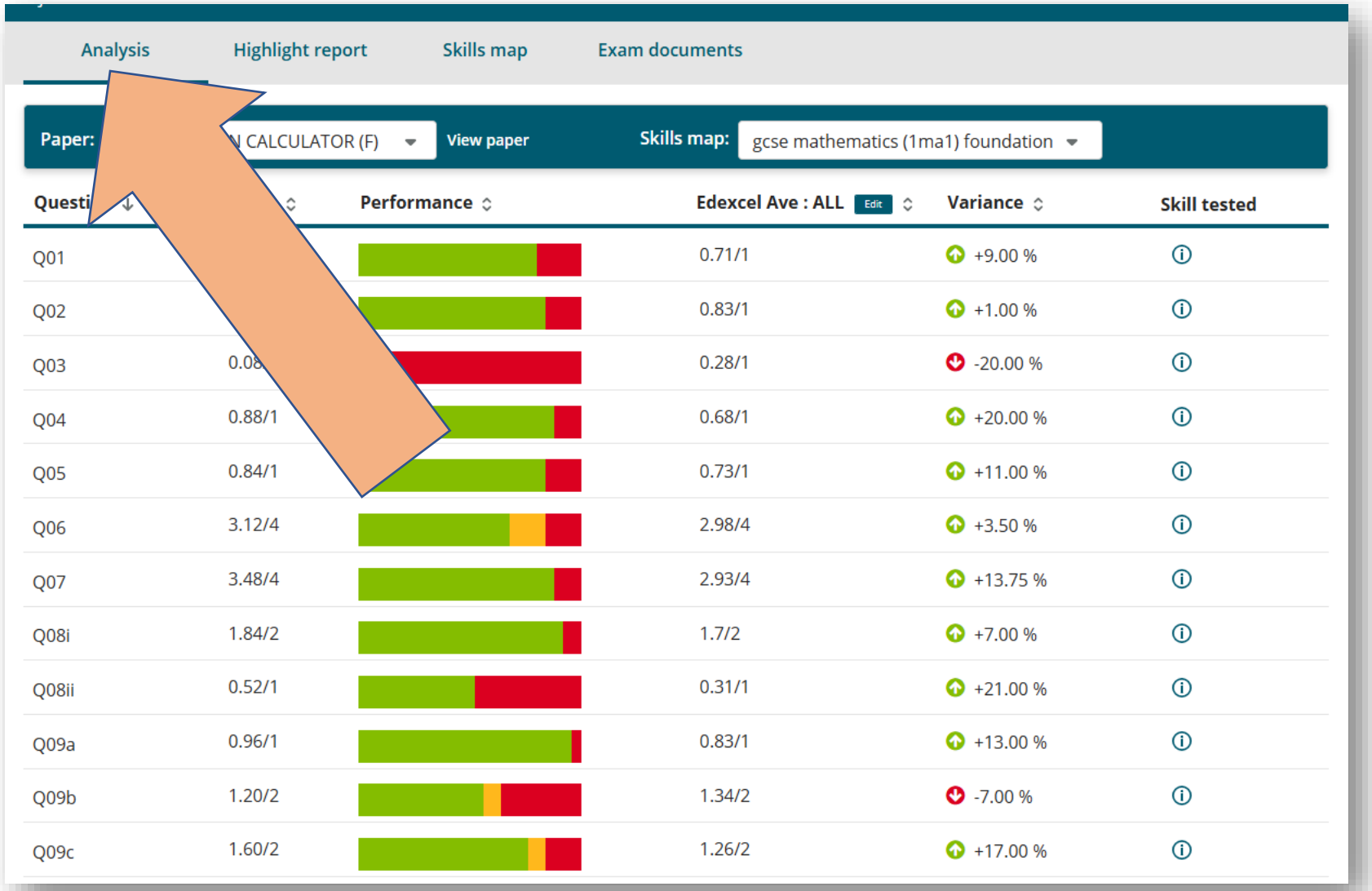

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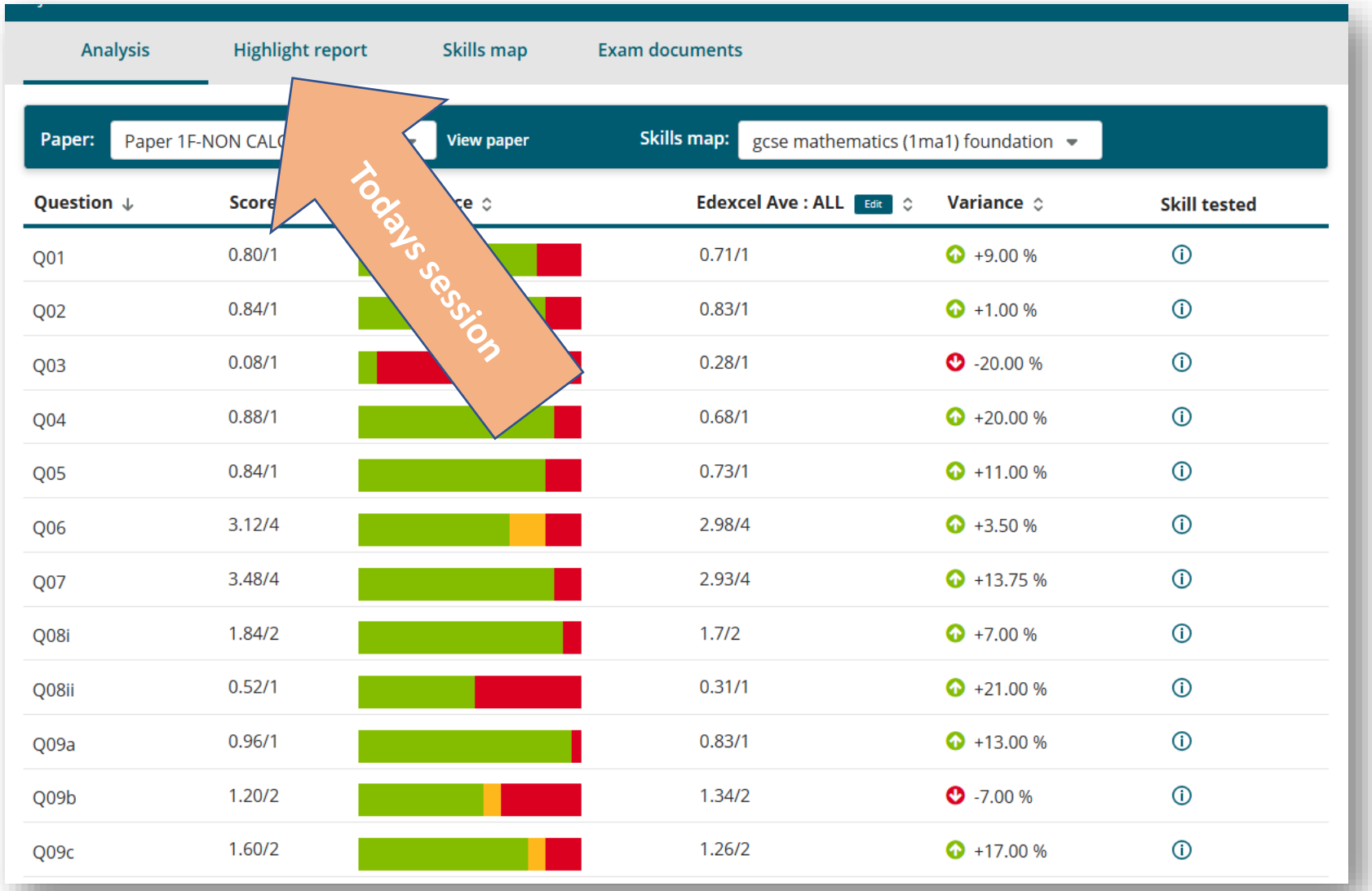


https://qualifications.pearson.com/en/support/Services/ResultsPlus.html (Google 'Results Plus')

Tier

Keep scrolling down!

Skills map: gcse mathematics (1ma1) foundation

ohort's top 10 skills to celebrate in relation to the Edexcel average were:

Skill Title	Score	Percentage	Edexcel Ave : ALL Edit	Variance
The nth term of a sequence	1.8/2	90%	0.91/2	+44.50 %
Growth and decay, compound interest	2.73/4	68%	1.22/4	+37.75 %
Graphs of quadratic functions	1.46/2	73%	0.76/2	+35.00 %
Graphs of linear functions	2.38/3	79%	1.39/3	+33.00 %
Compare lengths, areas and volumes using ratio notation	1.65/2	83%	1.04/2	+30.50 %
Circle definitions and properties	1.5/2	75%	0.93/2	+28.50 %
Pythagoras's Theorem and Trigonometry	1/2	50%	0.44/2	+28.00 %
Pie charts	2.12/3	71%	1.37/3	+25.00 %
dex tation	3.22/4	81%	2.24/4	+24.50 %
wings and bearings	1.77/2	89%	1.29/2	+24.00 %

This cohort's top 10 skills to improve in relation to the Edexcel average were:

Skill Title	Score	Percentage	Edexcel Ave : ALL Edit	Variance
Factorise expressions	0.65/2	33%	0.82/2	-8.50 %

https://qualifications.pearson.com/en/support/Services/ResultsPlus.html (Google 'Results Plus')

By Question

By Skill

This cohort's top 10 questions to improve in relation to the Edexcel average were:

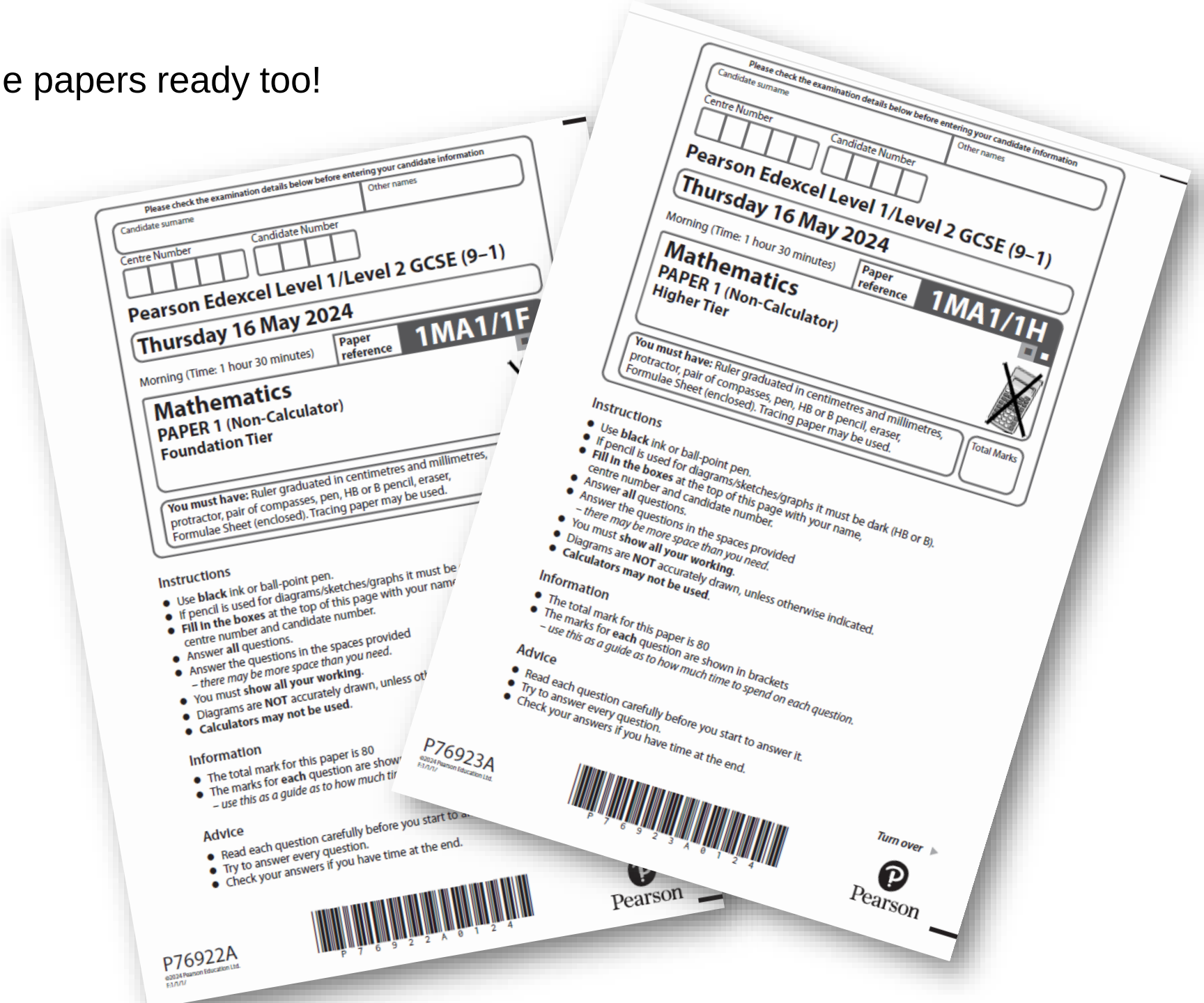
Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q06b	0.19/1		0.6/1	-41.00 %	
Q12a	0.31/2		1.06/2	-37.50 %	
Q12b	0.31/2		1.05/2	-37.00 %	
Q11a	0.24/1		0.52/1	-28.00 %	
Q16c	0.23/2		0.75/2	-26.00 %	
Q19	0.85/3		1.59/3	-24.67 %	
Q15a	0.42/1		0.66/1	-24.00 %	
Q12	0.73/2		1.2/2	-23.50 %	
Q15	0.23/2		0.69/2	-23.00 %	
Q02b	0.46/1		0.69/1	-23.00 %	

This cohort's top 10 skills to improve in relation to the Edexcel average were:

Skill Title	Score	Percentage	Edexcel	
Factorise expressions	0.65/2	33%	0.82/2	
Conventional geometrical terms and notation	0.82/2	41%	0.92/2	
Graphs and equations of lines	0.16/4	4%	0.27/4	
Solve linear inequalities	0.08/3	3%	0.16/3	
Simplify and manipulate algebraic expressions and fractions	0.73/1	73%	0.75/1	
Perimeters of 2D shapes	1.84/4	46%	1.91/4	-1.75 %
Pictograms	4.46/5	89%	4.47/5	-0.20 %
Two way tables	2.65/3	88%	2.64/3	+0.33 %
Areas of composite shapes	1.16/4	29%	1.14/4	+0.50 %
Conversion between fractions, decimals and percentages	1.76/2	88%	1.74/2	+1.00 %

You can drill down to per paper with questions

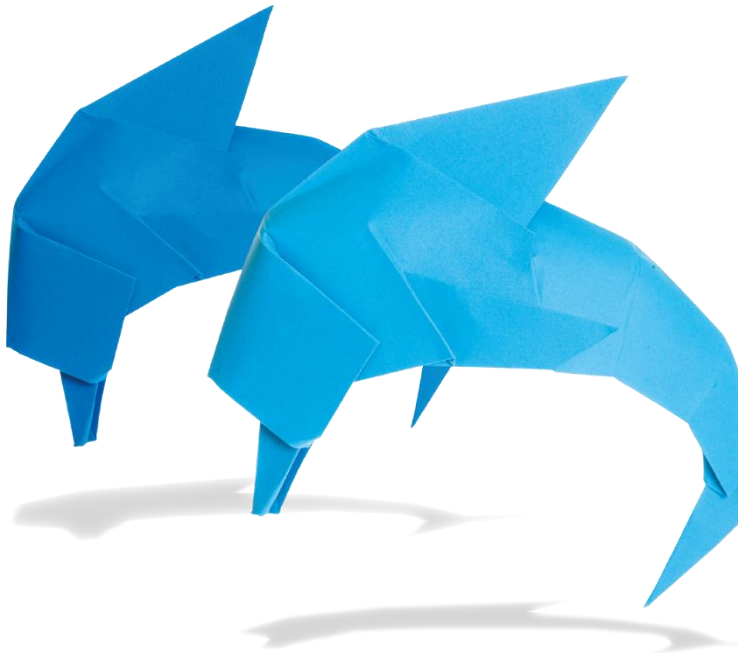
Download the papers ready too!



Case Study

Chris Seager

HoD Ridgeway Secondary School



Foundation 'Top' Questions

Check the paper!

Paper: All

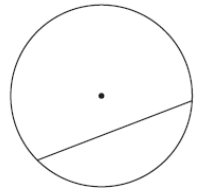
his cohort's top 5 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill te
Q18	0.92/1		0.32/1	+60.00 %	
Q28a	0.69/1		0.14/1	+55.00 %	
Q10b	0.62/1		0.15/1	+47.00 %	
Q20	1.8/2		0.91/2	+44.50 %	
Q21b	0.73/1		0.33/1	+40.00 %	

18 Write down the value of 10^0

(Total for Question 18 is 1 mark)

Here is another circle.



(b) Write down the mathematical name for the straight line inside this circle.

(1)

11 (a) Work out $-12 \div -4$

(b) Factorise $m^2 + 5m$

This cohort's top 5 questions to improve in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q06b	0.19/1		0.6/1	-41.00 %	
Q12a	0.31/2		1.06/2	-37.50 %	
Q12b	0.31/2		1.05/2	-37.00 %	
Q11a	0.24/1		0.52/1	-28.00 %	
Q16c	0.23/2		0.75/2	-26.00 %	

Foundation ‘Top 5’ **Skills**

This cohort's top 5 **skills to celebrate** in relation to the Edexcel average **were:**

Skill Title	Score	Percentage	Edexcel Ave : ALL Edit	Variance
The nth term of a sequence	1.8/2	90%	0.91/2	+44.50 %
Growth and decay, compound interest	2.73/4	68%	1.22/4	+37.75 %
Graphs of quadratic functions	1.46/2	73%	0.76/2	+35.00 %
Graphs of linear functions	2.38/3	79%	1.39/3	+33.00 %
Compare lengths, areas and volumes using ratio notation	1.65/2	83%	1.04/2	+30.50 %

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Skill Title	Score	Percentage	Edexcel Ave : ALL Edit	Variance
Factorise expressions	0.65/2	33%	0.82/2	-8.50 %
Conventional geometrical terms and notation	0.82/2	41%	0.92/2	-5.00 %
Graphs and equations of lines	0.16/4	4%	0.27/4	-2.75 %
Solve linear inequalities	0.08/3	3%	0.16/3	-2.67 %
Simplify and manipulate algebraic expressions and fractions	0.73/1	73%	0.75/1	-2.00 %

Foundation ‘Top 5’ Skills BEST

1

Paper 1

20 Here are the first four terms of an arithmetic sequence.

1 5 9 13

Find an expression, in terms of n, for the nth term of this sequence.

(Total for Question 20 is 2 m

2

Paper 3

25 A company has 25 000 workers.
The number of workers increases at a rate of 6% per year for 3 years.

Calculate the total number of workers at the end of the 3 years.

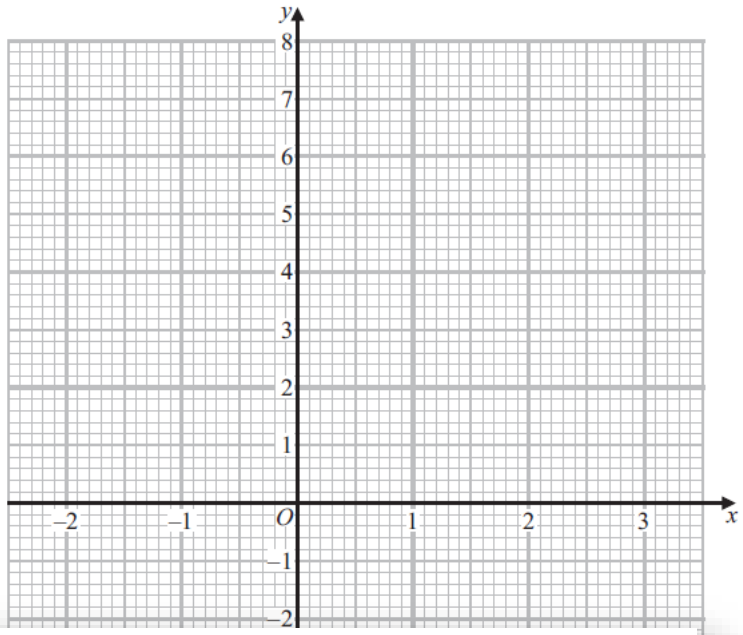
(Total for Question 25 is 4 marks)

Foundation ‘Top 5’ Skills BEST

3

Paper 2

(b) On the grid, draw the graph of $y = x^2 - x$ for values of x from –2 to 3

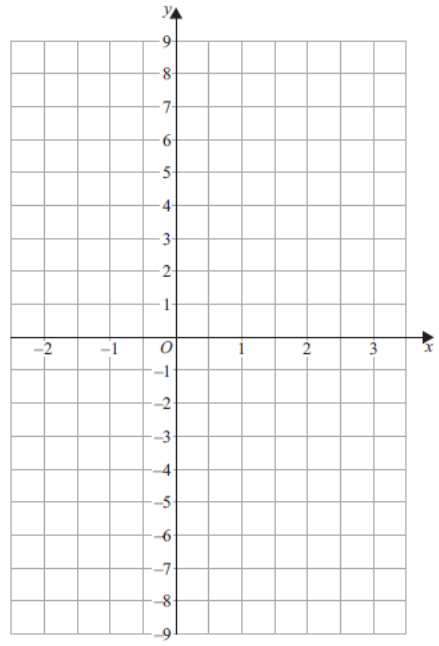


(2)

4

Paper 3

19 On the grid below, draw the graph of $y = 3x - 2$ for values of x from –2 to 3

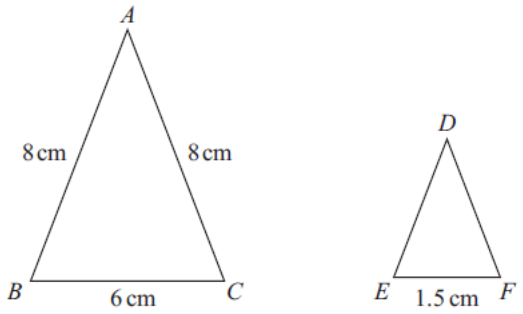


(Total for Question 19 is 3 marks)

5

Paper 2

27 *ABC* and *DEF* are two similar isosceles triangles.



$DE = DF$

Work out the length of DE.

Foundation ‘Top 5’ Skills WORST

1

Paper 3

21 (a) Factorise $6x - 15$

.....

(1)

(b) Factorise $m^2 + 5m$

.....

(1)

(Total for Question 21 is 2 marks)

(c) In the space below, draw a hexagon.

(1)

(Total for Question 7 is 3 marks)

+8%

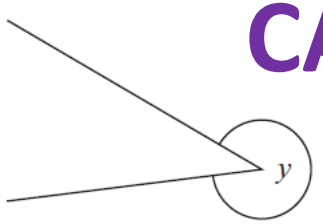
CAREFUL!!!

2

Paper 1 and 2

3 Write down the mathematical name for the type of angle marked y.

-20%



.....

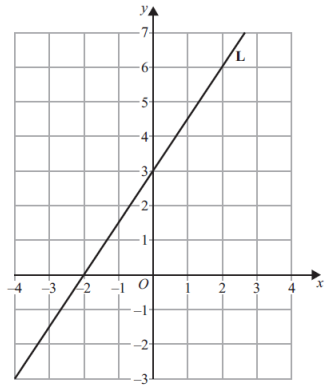
(Total for Question 3 is 1 mark)

Foundation ‘Top 5’ Skills WORST

3

Paper 1

5 Here is a straight line **L** drawn on a grid.



(a) Find an equation for **L**.

(3)

M is a different straight line with equation $y = 5x$

(b) Write down the equation of a straight line parallel to **M**.

5

Paper 3

4 Simplify $7a + a - 5a$

(Total for Question 4 is 1 mark)

4

Paper 1

28 Solve $x + 11 \leqslant 5 - \frac{1}{2}x$

Higher ‘Top 5’ Skills

This cohort's top 5 **skills to celebrate** in relation to the Edexcel average **were:**

Skill Title	Score	Percentage	Edexcel Ave : ALL Edit	Variance
Measures of spread (range, including consideration of outliers, quar	1.46/2	73%	1.11/2	+17.50 %
Histograms with equal and unequal class intervals	2/5	40%	1.61/5	+7.80 %
Expand expressions	2.58/3	86%	2.37/3	+7.00 %
Cumulative frequency graphs	4.12/5	82%	3.87/5	+5.00 %
Solve two simultaneous equations	3.04/4	76%	2.86/4	+4.50 %

This cohort's top 5 **skills to improve** in relation to the Edexcel average **were:**

Skill Title	Score	Percentage	Edexcel Ave : ALL Edit	Variance
Construct and interpret equations that describe inverse proportion	0.31/2	16%	1.06/2	-37.50 %
Transformations	0.73/2	37%	1.2/2	-23.50 %
Graphs and equations of lines	1.81/4	45%	2.7/4	-22.25 %
Solve problems involving direct and inverse proportion	2.12/4	53%	2.99/4	-21.75 %
Limits of accuracy; bounds	1.04/4	26%	1.86/4	-20.50 %

Higher ‘Top 2’ Questions BEST

Paper: Paper 1H-NON CALCULATOR (H)

This cohort's top 2 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q13a	1.42/3		1/3	+14.00 %	
Q14	2.58/3		2.37/3	+7.00 %	

Paper: Paper 2H-CALCULATOR (H)

This cohort's top 2 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q11c	1.46/2		1.11/2	+17.50 %	
Q06	3.31/4		2.92/4	+9.75 %	

Paper: Paper 3H-CALCULATOR (H)

This cohort's top 2 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q16a	1/1		0.87/1	+13.00 %	
Q16b	1.69/2		1.45/2	+12.00 %	

Higher ‘Top 2’ Questions BEST P1

Paper: Paper 1H-NON CALCULATOR (H)

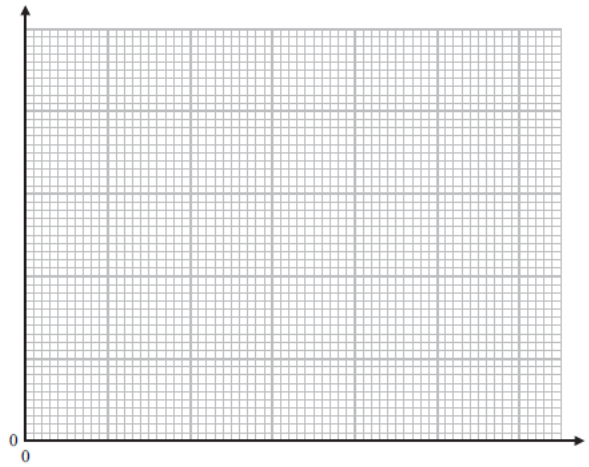
This cohort's top 2 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q13a	1.42/3		1/3	+14.00 %	
Q14	2.58/3		2.37/3	+7.00 %	

13 The table gives information about the amount of time that each of 150 people were in a shop.

Time (t minutes)	Frequency
$0 < t \leqslant 10$	20
$10 < t \leqslant 30$	70
$30 < t \leqslant 35$	22
$35 < t \leqslant 50$	30
$50 < t \leqslant 60$	8

(a) On the grid, draw a histogram for this information.



(3)

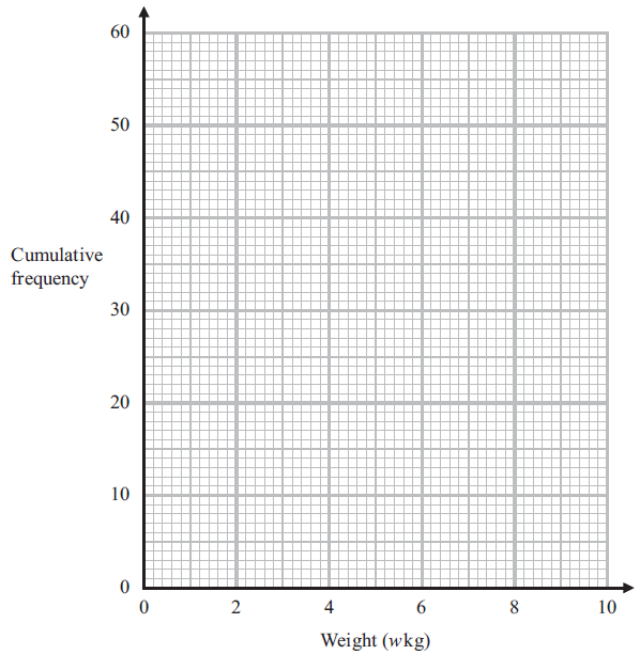
14 Expand and simplify $(3x - 1)(2x + 3)(x - 5)$

Higher ‘Top 2’ Questions BEST P2

Paper: Paper 2H-CALCULATOR (H)

This cohort's top 2 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q11c	1.46/2		1.11/2	+17.50 %	
Q06	3.31/4		2.92/4	+9.75 %	



(c) Use your graph to find an estimate for the interquartile range.

6 Andy, Luke and Tina share some sweets in the ratio 1 : 6 : 14

Tina gives $\frac{3}{7}$ of her sweets to Andy.

Tina then gives $12\frac{1}{2}\%$ of the rest of her sweets to Luke.

Tina says,

“Now all three of us have the same number of sweets.”

Is Tina correct?
You must show how you get your answer.

Higher ‘Top 2’ Questions BEST P3

Paper: Paper 3H-CALCULATOR (H)

This cohort's top 2 questions to celebrate in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q16a	1/1		0.87/1	+13.00 %	
Q16b	1.69/2		1.45/2	+12.00 %	

REMEMBER THIS FOR LATER

16 The functions f and g are given by

$$f(x) = \frac{12}{x+1} \quad \text{and} \quad g(x) = 5 - 3x$$

(a) Find $f(-3)$

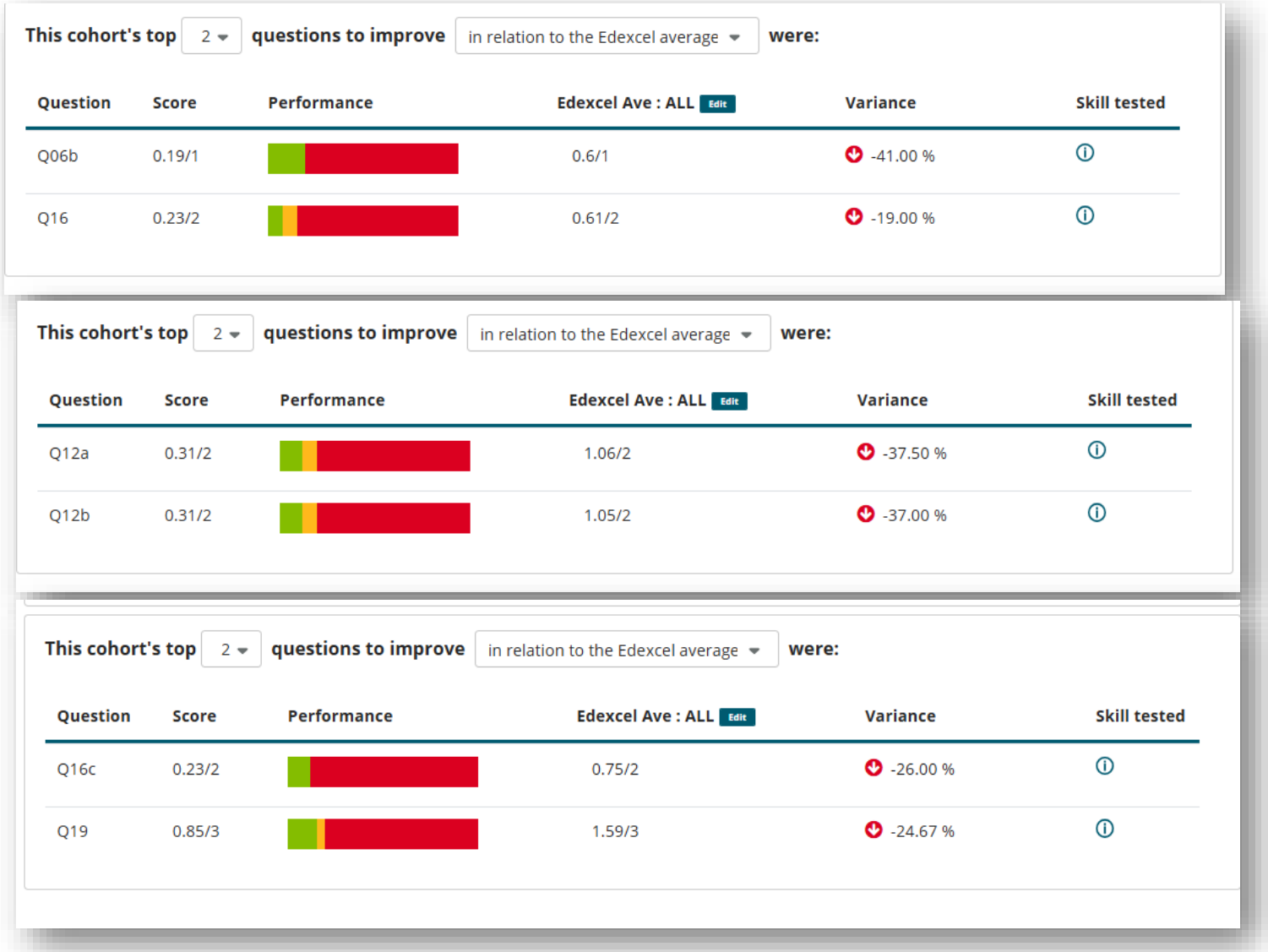
(1)

(b) Find $fg(1)$

(2)

(c) Find $g^{-1}(4)$

Higher ‘Top 2’ Questions WORST



This cohort's top 2 questions to improve in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q06b	0.19/1		0.6/1	-41.00 %	
Q16	0.23/2		0.61/2	-19.00 %	

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Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q12a	0.31/2		1.06/2	-37.50 %	
Q12b	0.31/2		1.05/2	-37.00 %	

This cohort's top 2 questions to improve in relation to the Edexcel average were:

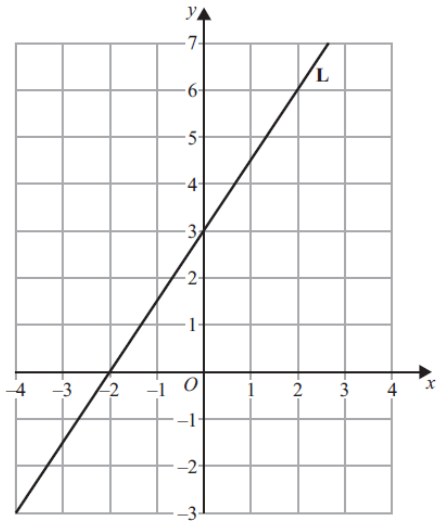
Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q16c	0.23/2		0.75/2	-26.00 %	
Q19	0.85/3		1.59/3	-24.67 %	

Higher ‘Top 2’ Questions WORST P1

This cohort's top 2 questions to improve in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q06b	0.19/1		0.6/1	-41.00 %	
Q16	0.23/2		0.61/2	-19.00 %	

6 Here is a straight line **L** drawn on a grid.



(a) Find an equation for **L**.

(3)

M is a different straight line with equation $y = 5x$

(b) Write down the equation of a straight line parallel to **M**.

16 There are only n orange sweets and 1 white sweet in a bag.

Saira takes at random a sweet from the bag and eats the sweet.
She then takes at random another sweet from the bag and eats this sweet.

Show that the probability that Saira eats two orange sweets is $\frac{n-1}{n+1}$

Higher ‘Top 2’ Questions WORST P2

This cohort's top 2 questions to improve in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q12a	0.31/2		1.06/2	-37.50 %	
Q12b	0.31/2		1.05/2	-37.00 %	

12 f is inversely proportional to d^2

$f = 3.5$ when $d = 8$

(a) Find an equation for f in terms of d.

.....

(2)

(b) Find the positive value of d when $f = 10$
Give your answer correct to 3 significant figures.

$d =$ .....

(2)

(Total for Question 12 is 4 marks)

Higher ‘Top 2’ Questions WORST P3

This cohort's top 2 questions to improve in relation to the Edexcel average were:

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q16c	0.23/2		0.75/2	-26.00 %	
Q19	0.85/3		1.59/3	-24.67 %	

19 $R = \dfrac{P}{Q}$

$P = 5.88 \times 10^8$ correct to 3 significant figures.
$Q = 3.6 \times 10^5$ correct to 2 significant figures.

Work out the lower bound for R.
Give your answer as an ordinary number correct to the nearest integer.
You must show all your working.

REMEMBER!

16 The functions f and g are given by

$$f(x) = \frac{12}{x+1} \quad \text{and} \quad g(x) = 5 - 3x$$

(a) Find f(–3)

(1)

(b) Find fg(1)

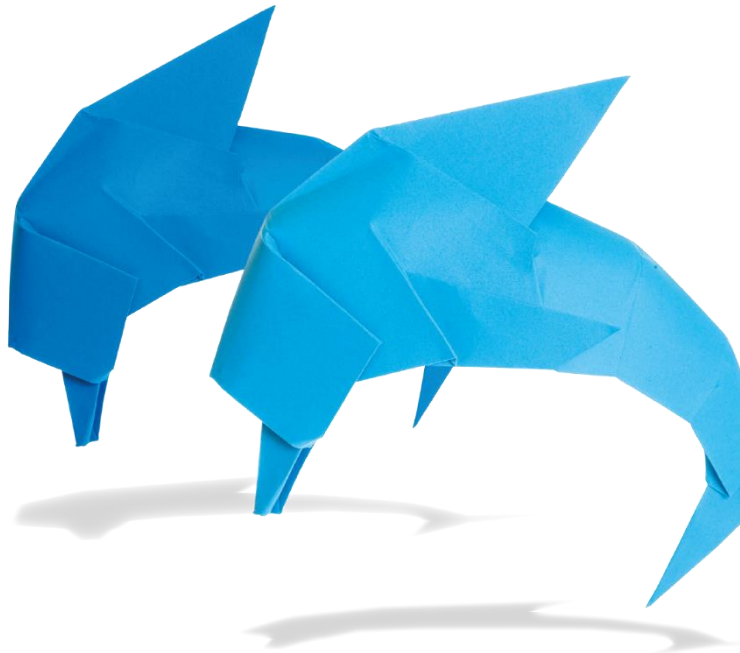
(2)

(c) Find $g^{-1}(4)$

Case Study

Mel Muldowney

Lead Prac Stratford upon Avon School



Another way to look at it

- Shared with dept in Sept

Paper: Paper 2F-CALCULATOR (F) View paper Skills map: gcse mathematics (1ma1) foundation

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q01	0.99/1		0.96/1	+3.00 %	
Q02	0.82/1		0.72/1	+10.00 %	
Q03	0.92/1		0.91/1	+1.00 %	
Q04	0.92/1		0.89/1	+3.00 %	
Q05	0.89/1		0.86/1	+3.00 %	
Q06a	0.98/1		0.95/1	+3.00 %	
Q06b	0.93/1		0.92/1	+1.00 %	
Q06c	2.69/3		2.6/3	+3.00 %	
Q07a	0.85/1		0.86/1	-1.00 %	
Q07b	0.54/1		0.43/1	+11.00 %	
Q07c	0.66/1		0.65/1	+1.00 %	
Q08a	0.93/1		0.9/1	+3.00 %	

Paper: Paper 2F-CALCULATOR (F) View paper Skills map: gcse mathematics (1ma1) foundation

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q01	0.99/1		0.96/1	+3.00 %	
				+10.00 %	
				+1.00 %	
				+3.00 %	
				+3.00 %	
				+3.00 %	
				+1.00 %	
Q06c	2.69/3		2.6/3	+3.00 %	
Q07a	0.85/1		0.86/1	-1.00 %	
Q07b	0.54/1		0.43/1	+11.00 %	
Q07c	0.66/1		0.65/1	+1.00 %	
Q08a	0.93/1		0.9/1	+3.00 %	

7 (a) Measure the length of this line.
Give your answer in centimetres.

Paper: Paper 2F-CALCULATOR (F) View paper Skills map: gcse mathematics (1ma1) foundation

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q08b	1.49/2		1.28/2	+10.50 %	
Q08c	0.88/1		0.86/1	+2.00 %	
Q09	2.76/4		2.43/4	+8.25 %	
Q10	0.86/2		0.74/2	+6.00 %	
Q11	0.76/1		0.58/1	+18.00 %	
Q12	2.57/3		2.25/3	+10.67 %	
Q13a	0.81/1		0.72/1	+9.00 %	
Q13b	1.49/2		1.24/2	+12.50 %	
Q14a	1.75/2		1.66/2	+4.50 %	
Q14b	1.25/3		1.1/3	+5.00 %	
Q15	0.87/2		0.83/2	+2.00 %	
Q16a	0.72/1		0.62/1	+10.00 %	

Paper: Paper 2F-CALCULATOR (F) View paper Skills map: gcse mathematics (1ma1) foundation

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q16b	0.90/2		0.69/2	+10.50 %	
Q17	0.32/3		0.16/3	+5.33 %	
Q18	2.08/3		1.85/3	+7.67 %	
Q19a	1.49/2		1.27/2	+11.00 %	
Q19b	0.47/1		0.46/1	+1.00 %	
Q20	0.58/2		0.43/2	+7.50 %	
Q21a	1.31/2		1.13/2	+9.00 %	
Q21b	0.38/1		0.33/1	+5.00 %	
Q22	1.51/2		1.29/2	+11.00 %	
Q23	0.99/4		0.73/4	+6.50 %	
Q24a	1.08/2		0.95/2	+6.50 %	
Q24b	0.89/2		0.76/2	+6.50 %	

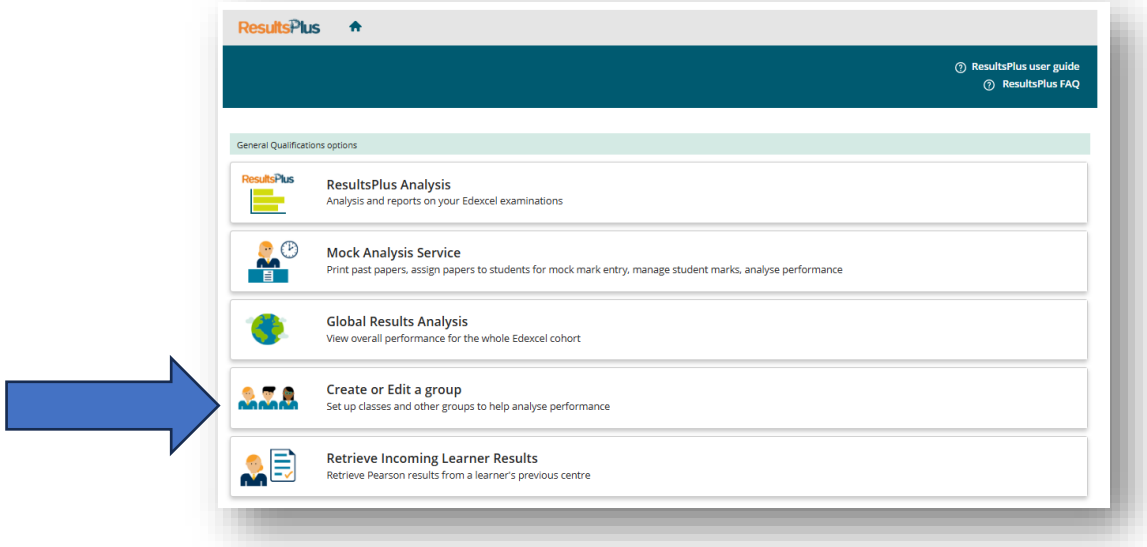
Paper: Paper 2F-CALCULATOR (F) View paper Skills map: gcse mathematics (1ma1) foundation

Question	Score	Performance	Edexcel Ave : ALL Edit	Variance	Skill tested
Q24c	0.17/2		0.17/2	0 %	
Q25	1.53/4		1/4	+13.25 %	
Q26	0.76/4		0.44/4	+8.00 %	
Q27	1.40/2		1.04/2	+18.00 %	
Q28a	0.28/1		0.14/1	+14.00 %	
Q28b	0.57/3		0.5/3	+2.33 %	

Questions to ask …

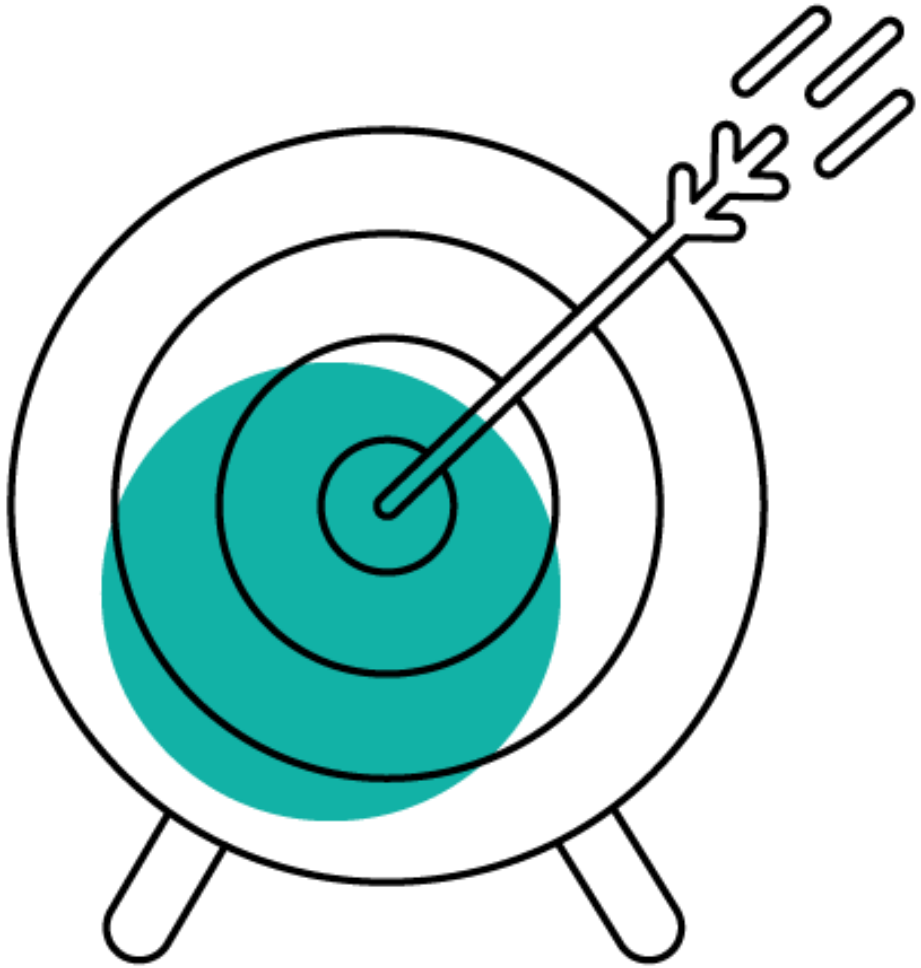
Question analysis or Skill analysis?

Any Common themes? (Worth uploading groups?)



Crossover success?

Common misconceptions?



Worth a look …

Foundation Tier (JUNE 2017 to JUNE 2022 (no sitting in June 20 or 21)

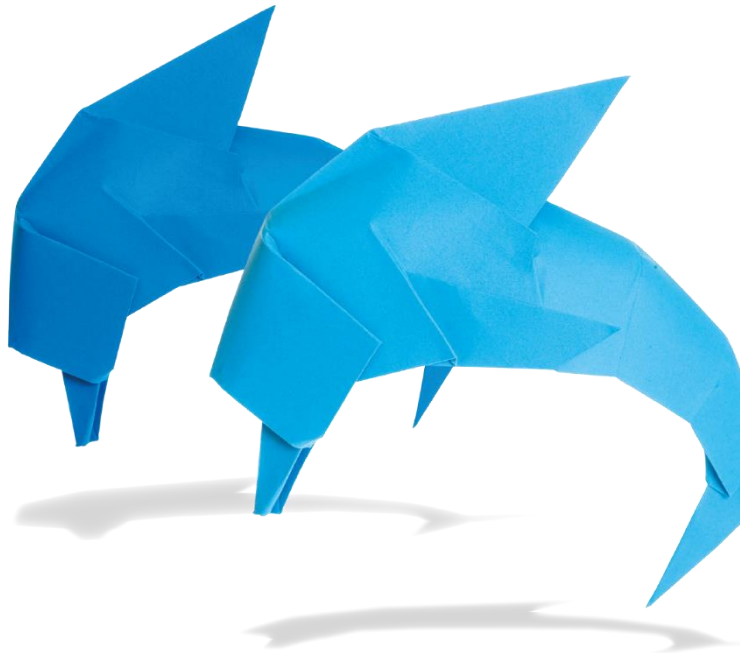
8+ appearances	
Simplifying expressions	21
FDP Conversions	20
Rounding	16
Money problem solving	16
Standard form	15
Ratio	14
Powers & Roots	14
Solving linear equations	13
Scale Drawing / Using Scale	13
Proportional Reasoning	13
Sequences	12
Factors and multiples	12
Angle facts	12
Probability	11
Fraction of an amount	11
Substitution	10
Speed / Distance / Time	10
Index laws	10
Straight line graphs	8
Proportion - recipes	8
Place value	8
Pictograms	8
Metric conversions	8
Factorising expressions	8

Highlighted topics are also ≥ 3 marks per appearance on average

5, 6, or 7 appearances	
Use of calculator	7
Order of (and four) operations	7
Fractions	7
Expand single brackets	7
Inequalities	7
Quadratic graphs	7
Time	7
Reflections	7
Bar charts	7
Percentage increase/ decrease	6
Percentage of an amount	6
Coordinates	6
Forming and solving equations	6
Function machines	6
Solving equations	6
Pie charts	6
Venn diagrams	6
Numbers in size order	5
Lowest Common Multiples	5
FDP / Ratio	5
Percentage profit /Loss	5
Percentages to fractions	5
Combinations / Listing outcomes	5
Error intervals	5
Exchange rates	5
Conversion graphs	5
Rearranging equations	5
Simultaneous equations	5
Metric measures	5
Circle definitions	5
Angles in polygons	5
Two way tables	5
Estimate of the mean/ Mean from a table	5
Stem & leaf diagrams	5
Frequency trees	5
Relative frequency	5
Probability Scale	5

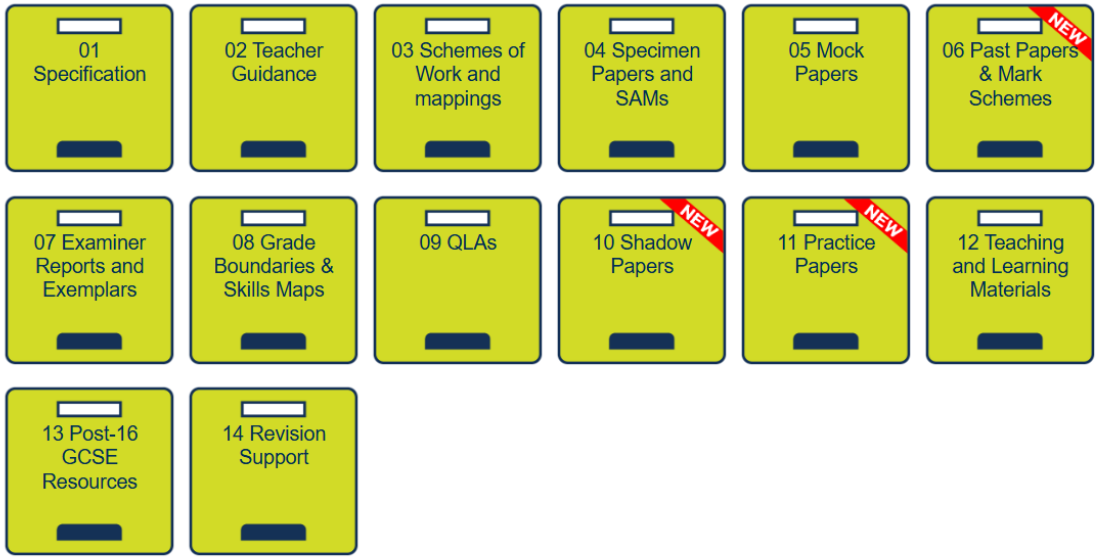
Topics with ≥ 3 marks per appearance	
Plans and elevations	6.000
Ratio & percentages	5.000
Circles - circumference	5.000
Surface area and volume	5.000
Volume of a prism	5.000
Area in context	4.667
FDP / Ratio	4.600
Surface area	4.333
Frequency trees	4.200
Percentages	4.000
Compound interest	4.000
Ratio & trigonometry	4.000
Coordinate geometry	4.000
Area / Percentages	4.000
Probability and ratio	4.000
Venn diagrams	4.000
Forming and solving equations	3.833
Scale Drawing / Using Scale	3.692
Arcs and sectors	3.667
Percentage profit /Loss	3.600
Exchange rates	3.600
Angles in polygons	3.600
Stem & leaf diagrams	3.600
Quadratic graphs	3.571
Money problem solving	3.500
Percentages & ratio	3.500
Best value	3.500
Area	3.500
Angles in a triangle	3.500
Probability tree diagrams	3.500
Fractions - multiplication	3.333
Area of a triangle	3.333
Pythagoras theorem	3.333
Proportional Reasoning	3.308
Speed / Distance / Time	3.300
Volume	3.250
Probability from a table	3.250
Two way tables	3.200
Percentage increase/ decrease	3.167
Percentage of an amount	3.167
Proportion - recipes	3.125
Division	3.000
Decimal - Division	3.000
Percentages / Area	3.000
Estimation	3.000
Ratio in context	3.000
Gradient between two points	3.000
Real life graphs	3.000
Quadratic, cubic & reciprocal grap	3.000
Geometric reasoning	3.000
Angle facts - Parallel lines	3.000
Reflections & Translations	3.000
Pressure / Force / Area	3.000
Density / Mass /Volume	3.000
Pie charts	3.000
Sampling & Capture/recapture	3.000

Support from Pearson



Unmatched Post Exam Support

- GCSE Mathematics Exam Insights (online Network)
- GCSE Marking Guidance (online network)
- Shadow Papers
- Bronze Silver Gold (AO3 problem solving)
- Cross over papers
- Reordered papers
- Aiming for papers
- Skills maps (Enhanced)
- QLA (Enhanced)

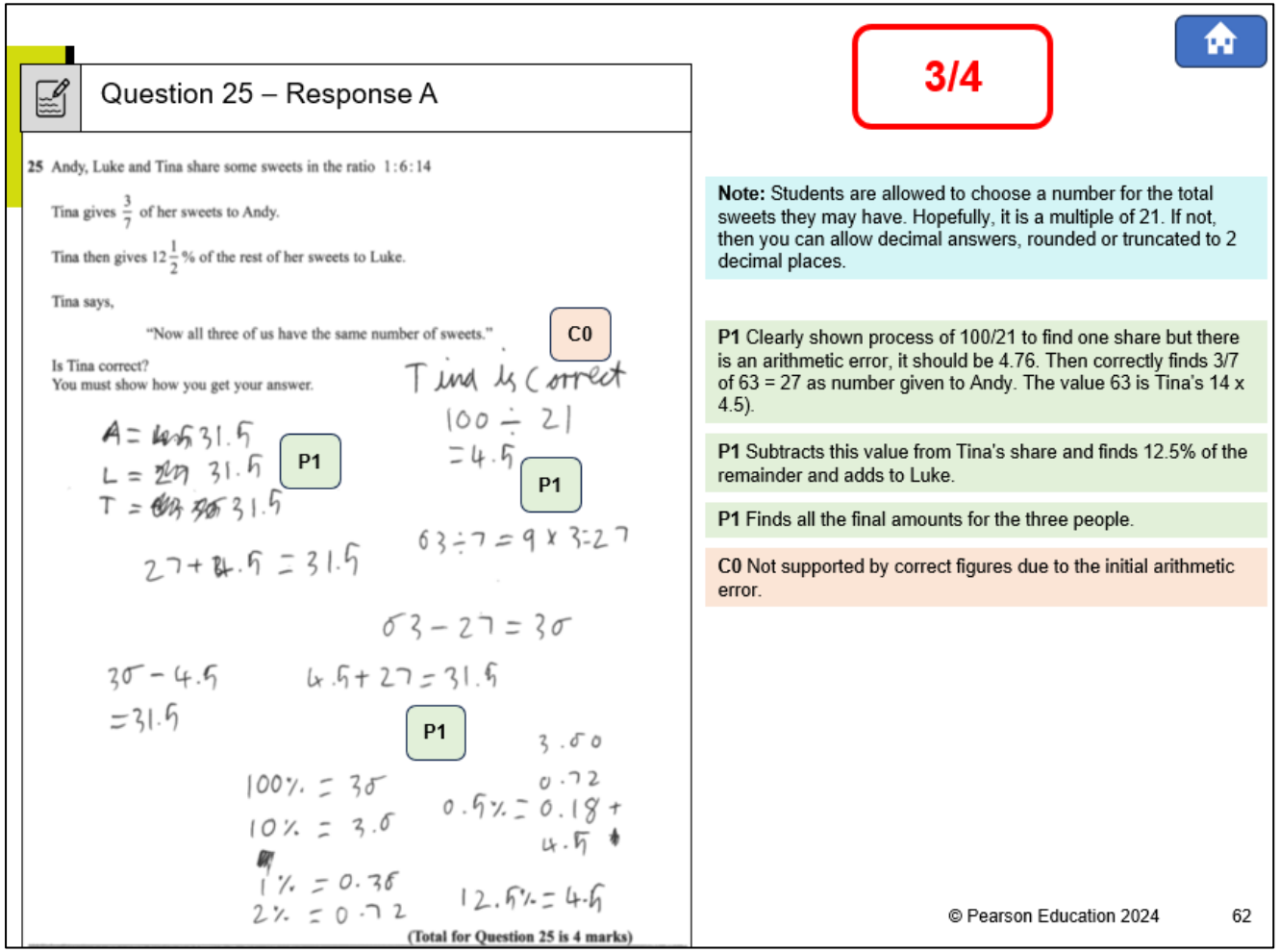


New Exemplars for GCSE Maths

For the summer 2024 exam series we have produced our exemplars in a new PowerPoint format.

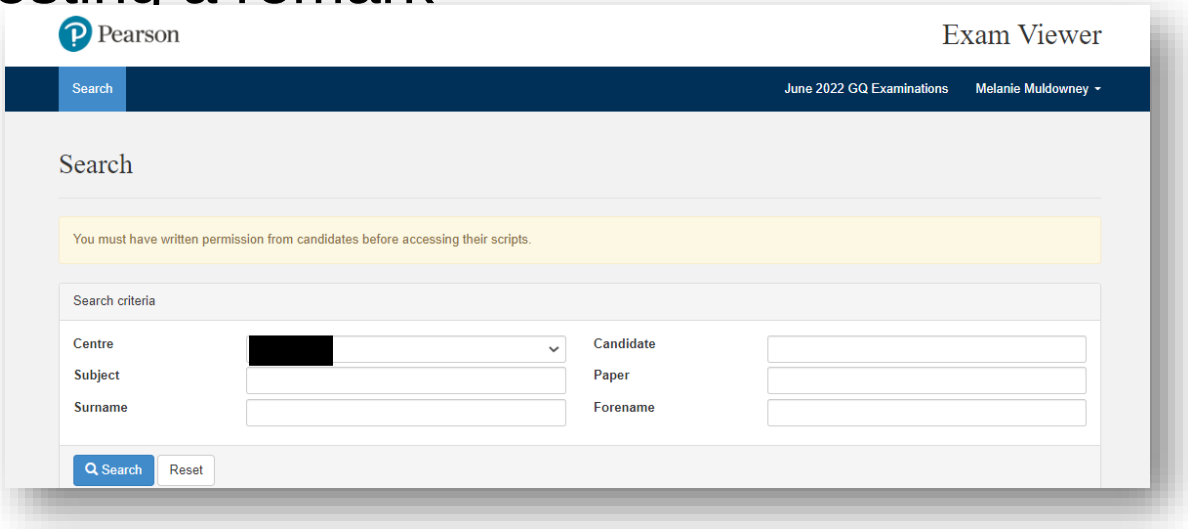
These are ready made slide decks with marking guidance on selected questions from the exam series. They use real candidate responses and have been annotated by the chair of examiners.

These have been designed for teachers to use for CPD but could also be used with students in the classroom.

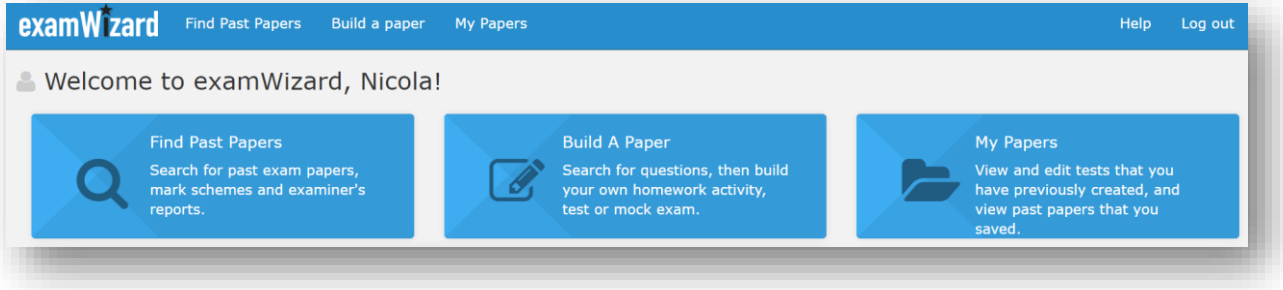


Access to Scripts

- Access to scripts is a **free** service that allows you to look at a students examination papers question by question
- A powerful CPD tool to share good practice
- Reduces the uncertainty when requesting a remark



Exam Wizard



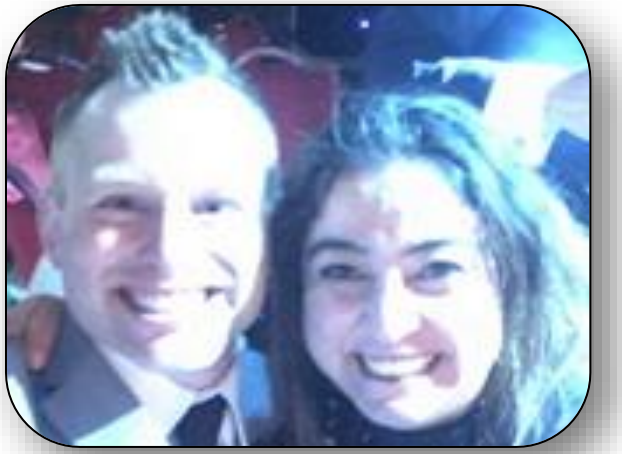
- Exam Wizard is a free resource that allows you to find past examination questions to make your own bespoke papers

- To access Exam Wizard you will need an EOL username and password – your Exams Officer will be able to issue this

- Exam wizard is an online application that can be accessed here

Our subject specialists

- Our team of credible specialists is made up of current classroom practitioners that share their knowledge with our schools through centre visits, online training and networks



Key Area for improvement for all – Ratio and Proportion

One ‘worst’ for all that was identified in our Exam insights session was Ratio and Proportion in Context.

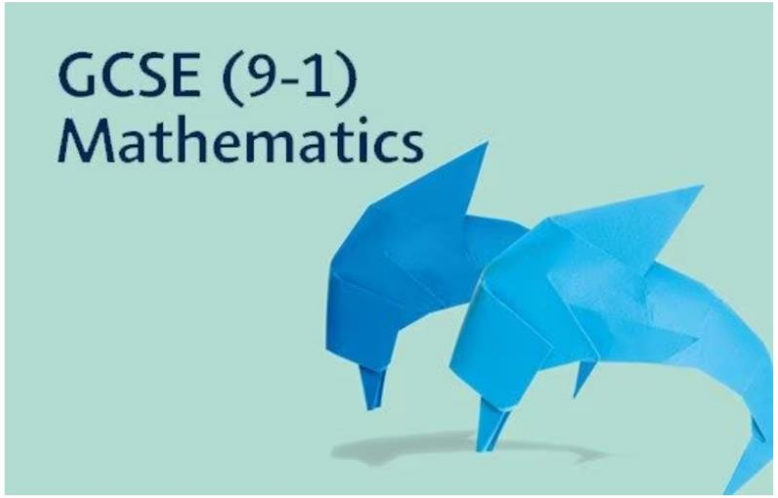
On Wednesday 15th January 2025 we are running a Deep dive into this topic.

We are also planning to run a second deep dive during the second half of the Spring term (date to be confirmed) and will be asking you in this Ratio network what topic(s) you would like us to focus on in the second network.

GCSE Maths: Deep Dive into Ratio and Proportion in Context

15 January 2025 at 16:00-17:00 GMT

In this free online event, our credible specialists Christian Seager and Mel Muldowney from JustMaths, use past exam questions to showcase teaching ideas (particular focus on using ratio tables) for ratio and proportion in context and highlight resources that can help with this topic.



Contact us

Mel Muldowney
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Christian Seager
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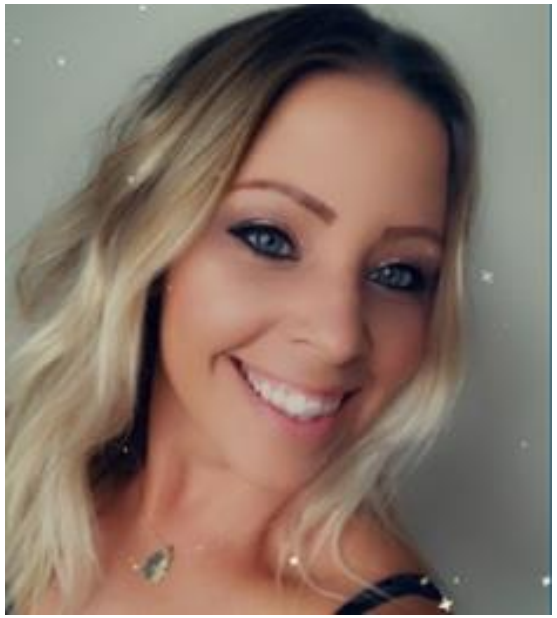
JustMaths

Meet your Maths and Statistics Subject Advisor and Partner

Vicky Wood

Vicky works closely with the wider maths team to support teachers in UK centres in delivering Pearson Edexcel qualifications in Mathematics and Statistics teachingmaths@pearson.com
Sign up for Vicky's monthly updates



Nicola Woodford-Smith

Nicola works as the maths Subject Partner in the maths team at Pearson Edexcel. She helps to create resources and delivers CPD to support you and your team through the lifecycle of our qualifications.
Follow @miss_mathsgeek (on X) for updates and information

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You can also find the recordings of our launch event and Getting Ready to Teach event on the Maths Emporium.

NEW Podcast: The Right Angle

The Right Angle invites topical discussions, debates and insights from a range of thought leaders, award-winning maths educators and facilitators. Our subject partner hosts, Mark Heslop and Nicola Woodford-Smith lead conversations on themes such as the evolution of technology to support learning, student engagement and diversity and inclusion across the education of mathematics. Listen and subscribe for FREE on Apple Podcasts, Spotify and on Soundcloud.

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Find out more

For more professional development courses please see Pearson's [Professional Development Academy]

Your Feedback Matters

Following this event, you will receive an invitation to share your thoughts about the session. Your feedback is invaluable to us, as it helps us tailor our professional development materials to better meet your needs. Please don’t hesitate to let us know what you’d like to see more of and what areas you think could be improved.


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