How to revise for GCSE Mathematics



Follow us on Twitter @CamsMaths for good questions to support revision, key dates, sharing resources and top tips. $\frac{\text{NUM}\sum \text{R4CY}}{\text{NUM}\sum \text{R4CY}}$

Useful websites:

- Mathswatch https://vle.mathswatch.co.uk/vle/
- Pixl Maths App https://mathsapp.pixl.org.uk/PMA2.html
- Maths Genie
- https://www.mathsgenie.co.uk/
- On Maths
- https://www.onmaths.com/
- Seneca Learning https://app.senecalearning.com
- Gojimo App

New initiative:

Weekly past paper done in test conditions every Friday.

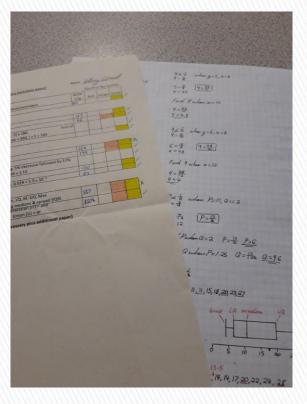
50-55 minute tests with focus on improving skills in first half of the paper but with other multi-step questions available to stretch and challenge those who need it.

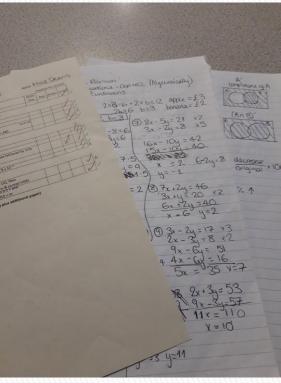
We provide loads of resources in the build up to the final exams and decided we need to start modelling these activities now, to ensure the pupils are ready for same format later.

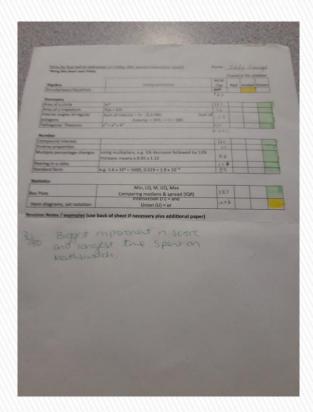
Testing

- Support for tests revision sheet devised with key skills listed in sections in alphabetical order, with hints/reminders of key info, errors to avoid, etc.
- Space given for pupils to look up and use Mathswatch clips, RAG their understanding and write notes.

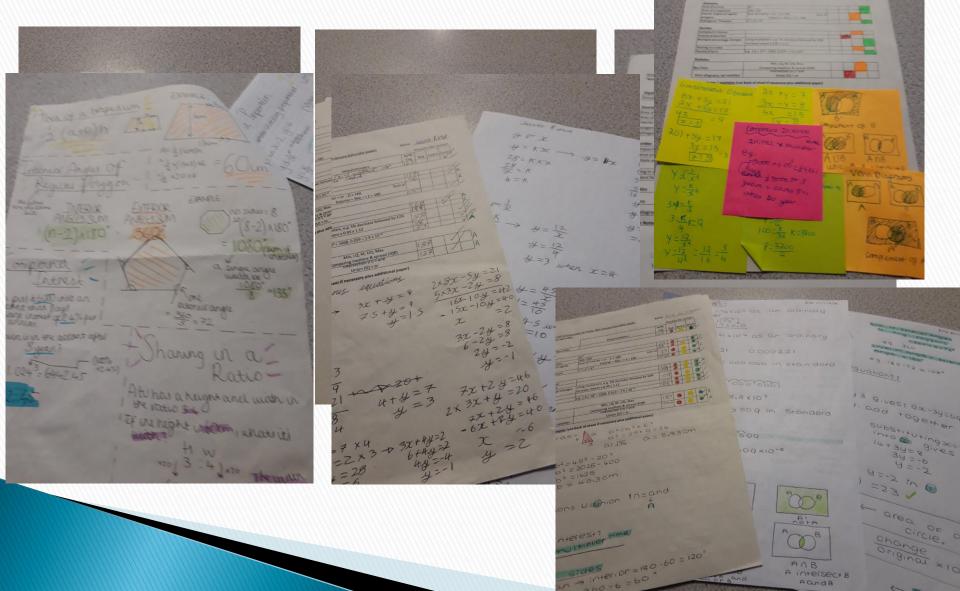
Results and feedback - sharing good practice



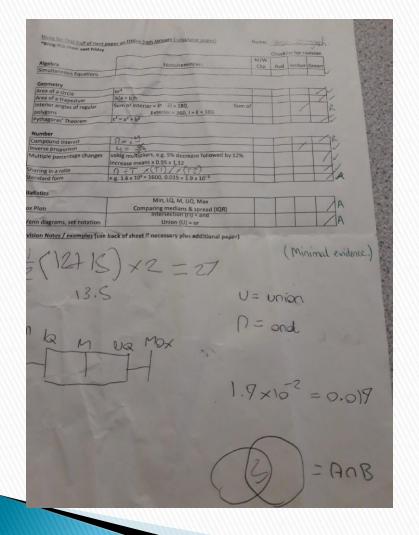


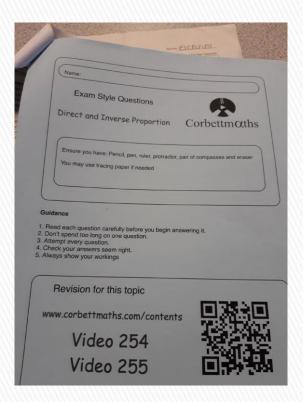


Results and feedback - sharing good practice



Results and feedback - sharing good practice





Corbettmaths Revision Cards



CELEBRATE THE SUCCESSES

<u>Jaydn</u> – always puts the brackets in factorising!, Q9, Q11-13, Surface area, VECTORS and TRIG!!

<u>Adele - Q5</u>, factorising - yes!, Q9, Q11 and correct with simple interest!

Mollie - Q10, full marks on stem and leaf!, Q12 scale drawing and excellent number problems (Q13&15)

CELEBRATE THE SUCCESSES

Brad- Q7 correct, Q18 (2/3 marks) and one of only 2 people to get Q20 correct

<u>Daisy</u> - Q2, Q4, Q8 (2/3 marks), Q9 and Q13 fully correct and.....

BEAT PREVIOUS SET OF PAPERS BY 12 MARKS!!!!!

Ben T - Q1 (one of only 2 people!), Q4 and Q5 fully correct

Ben H— one of only six to get Q13a fully correct!

CELEBRATE THE SUCCESSES

Lara- Q1, Q13 fully correct!

Henry - Q7 full marks, Q11 (3 marks), Q18 correct... (only one in the class!)

<u>Lewis -</u> Q1, Q5 (1 of only 4 people!), Q7, Q9 fully correct!

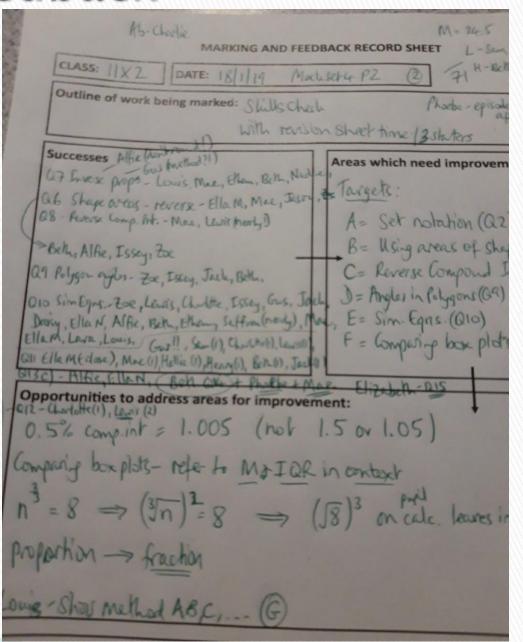
Alfie - Q2 (1 of only 5 people!) and Q11 (2 marks),

Results and Feedback - top scores!

| Session 3 | Yellow | | |
|-----------|--------|------|-------|
| week | time | | marks |
| This | Last | Name | Total |

Results and Feedback

Celebrating success!



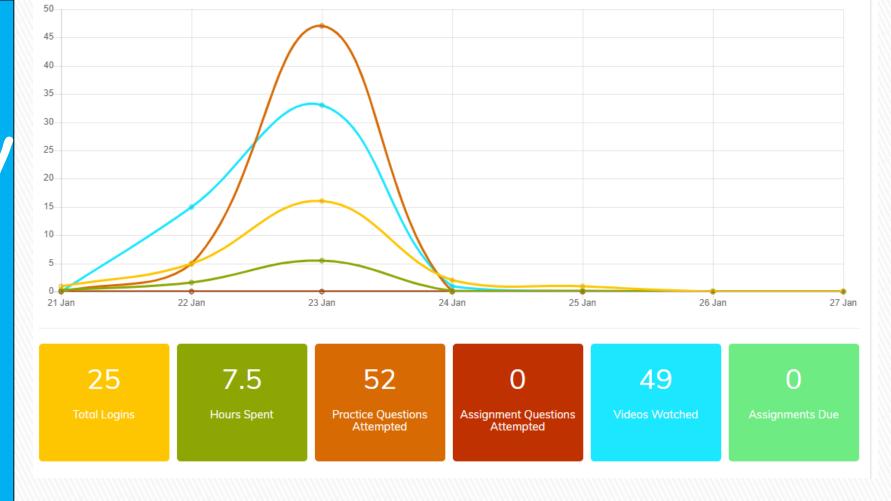
Results and Feedback

| Number of Greens | Average test Score | P1 Total marks - no RAG | Simultaneous Equations | Area of a circle | Area of a trapezium | Interior angles of regular polygons | Pythagoras' Theorem | Compound Interest | Inverse proportion | Multiple percentage changes | Sharing in a ratio | Standard form | x Plots | Venn diagrams, set notation | P2 Total marks | Minutes spent on Mathswatch |
|------------------|----------------------------|----------------------------|------------------------|-------------------|---------------------|-------------------------------------|---------------------|-------------------|--------------------|-----------------------------|--------------------|------------------|------------------|-----------------------------|----------------------------|-----------------------------|
| ž | ¥ | P1 | Si | Ar | Ar | ⊒ | Ρ | Co | Ī | Σ | ٩S | St | Вох | Ve | P2 | M |
| Ž 4 | ₹ 26 | 4 | S | ٦ | a Ar | r | РУ | Co | r In | ∑ g | Sh | a St | [®] Bc | a Ve | 25 | 0 |
| | | | | | | | | | | | | | | | | |
| 4 | 26 | 27 | g | r | а | r | g | r | r | g | g | а | а | а | 25 | 0 |
| 4 | 26 27 | 27 29 | g a | r g | a g | r a | 90 90 | r | r a | g a | p0 p0 | a a | a | a | 25 24 | 0 32 |
| 4 4 6 | 26 27 26 | 27 29 25 | g a g | r g r | a g a | r a r | в в | r r | r a g | a a | po po | a a g | a a a | a a a | 25 24 27 | 0 32 63 |
| 4 4 6 5 | 26 27 26 24 | 27 29 25 25 | a 20 20 | r g r | a g a r | r a r | PO PO PO | r r r | r a bo bo | 00 00 00 00 | p0 p0 p0 | a a g | a a a | a a a | 25 24 27 22 | 0 32 63 2 |
| 4 4 6 5 | 26 27 26 24 30 | 27 29 25 25 34 | a a a | r go r r | a g a r | r a r r | p0 p0 p0 p0 | r r r | r a b a | p0 | DO DO DO | a a g a | a a a a | a a a a | 25 24 27 22 25 | 0 32 63 2 16 |



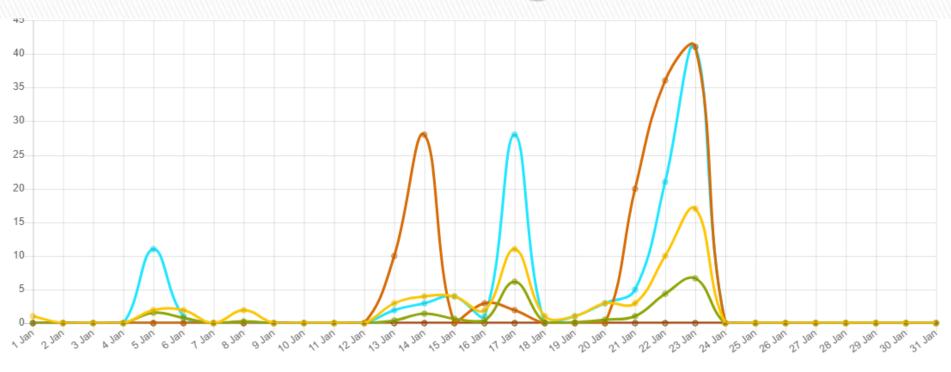






Paper 2 Average = 24 Paper 3 Average = 26.5 Average = +4.5 marks
Average = + 2.3 marks
Average = - 3.2 marks

Mathswatch usage



66

Total Logins

25.1

Hours Spent

140

Practice Questions Attempted 0

Assignment Questions Attempted 121

Videos Watched

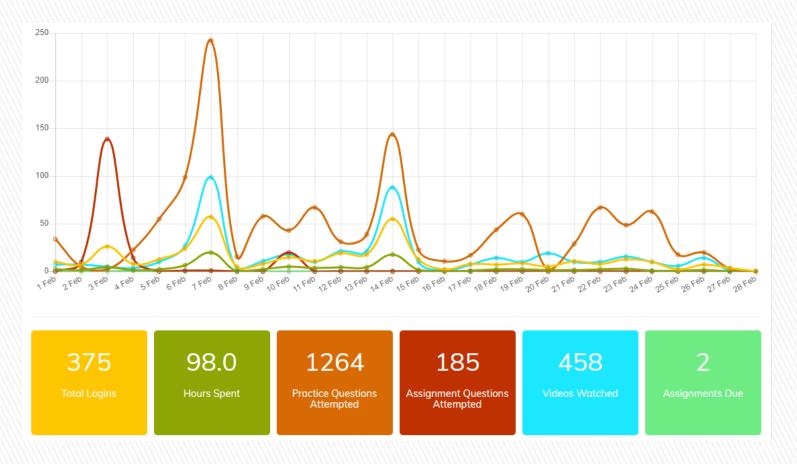
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Assianments Due

Mathswatch usage

| Logins | Minutes Spent ▼ | Practice Questions | Assignment Questions | Videos |
|--------|-----------------|--------------------|----------------------|--------|
| 8 | 176 | 61 | 0 | 14 |
| 7 | 175 | 0 | 0 | 14 |
| 2 | 162 | 0 | 0 | 16 |
| 3 | 146 | 22 | 0 | 13 |
| 4 | 113 | 0 | 0 | 8 |
| 2 | 95 | 0 | 0 | 5 |
| 3 | 89 | 2 | 0 | 9 |
| 4 | 82 | 0 | 0 | 8 |
| 5 | 80 | 0 | 0 | 5 |
| 3 | 70 | 0 | 0 | 8 |
| 3 | 69 | 31 | 0 | 1 |
| 6 | 59 | 0 | 0 | 3 |
| 4 | 49 | 0 | 0 | 3 |
| 3 | 33 | 0 | 0 | 5 |
| 2 | 32 | 9 | 0 | 3 |

Year 11 activity on Mathswatch during February



Top 10 Year 11 users who are present tonight:

Cams Hill's Top Topics (Higher)

| Data Handling | MW | R | Α | G | Number and Algebra | MW | R | Α | G |
|---|------------|---|---|---|---|------------|---|---|----------|
| 1.Stem-and-Leaf | 128b | | | | 28. Index notation and index laws, | 29, 76, | | | |
| | | | | | reciprocals | 82, 131, | | | |
| | | | | | | 154, 188 | | | L |
| 2.Two Way table inc. text questions | 61 | | | | 29. Standard Form | 83 | | | |
| 3. Frequency polygon | 65b | | | | 30. BIDMAS, negatives, long | 19, 20, | | | |
| | | | | | multiplication and division | 68, 75 | | | |
| 4. Scatter Graphs | 129 | | | | 31. Prime Factors, product of primes, HCF & LCM | 28, 78-80 | | | |
| 5. Averages – grouped table | 130 | | | | 32. Error intervals | 132, 155 | | | |
| 6. Stratified Sampling | 176 | | | | 33. Estimation | 90-1 | | | |
| 7. Tree Diagrams | 151, 175, | | | | 34. Forming | 135, 137 | | | Г |
| | 204 | | | | expressions/equations, solving | | | | |
| | | | | | linear equations | | | | |
| 8. Probability with Venn diagrams | 127, 185 | | | | 35. Inequalities | 138-9, | | | |
| | | | | | | 198 | | | L |
| 9. Cumulative Frequency | 186 | | | | 36. Direct and inverse proportion | 199 | | | |
| 10. Boxplots | 187 | | | | 37. Equation of a circle | 197 | | | |
| Shape, Space and Measure | | | | | 38. Iterative processes | 180 | | | |
| 11. Loci / Constructions | 145-7, 165 | | | | 39. Fractions – 4 operations | 70-4 | | | |
| 12. Basic vectors | 174 | | | | 40. Linear and geometric | 102-3, 163 | | | \vdash |
| | | | | | sequences, nth term | , | | | |
| 13. Reflections, rotations, translations | 48-50 | | | | 41. Quadratic sequences | 213 | | | |
| 14. Enlargements | 148, 181 | | | | 42. Simplifying expressions, | 33-35, 94, | | | |
| | | | | | substitution, factorising | 95 | | | |