Music: ‘On Top of the World’ by Imagine Dragons

- This song was released in 2012 by American rock band Imagine Dragons.
- The song is a celebration of accomplishment for the band after striving for years to become successful.
- It talks of being on top of the world but also doesn’t fail to mention that being at the top isn’t an easy task. It encourages you to get up even when you hit the ground.
- The song is built on a sample of minimalist composer Steve Reich's "Clapping Music" from 1972 – this is the syncopated clapping rhythm that you can hear throughout the song.

Over to you….

- Think of something you would like to achieve in 2023
- What steps do you need to take to achieve your goal?
- How could the words of this song help motivate you to achieve this goal?

English & Maths Progress Assembly

Autumn Mocks

CORBY Technical School

English Update

Where are you now? What is your goal?

CORBY Technical School

Overview: English Language

WWW:

-Stronger with Section B than Section A.

-Most of us attempted all questions.

-Good use of tier 2 vocabulary in our creative writing.

EBI:

-Question 4- Evaluation- identifying writer's methods and analysing the effect of these methods.

-Technical accuracy- we need to proofread our work!

-Language analysis- embedding quotations and analysing the effect- do not just feature spot!

Overview: English Literature

WWW:

-Strong AO1- good understanding of the play and text.

-Most of us are using quotations.

-Most of us are writing about BOTH the extract and the wider text.

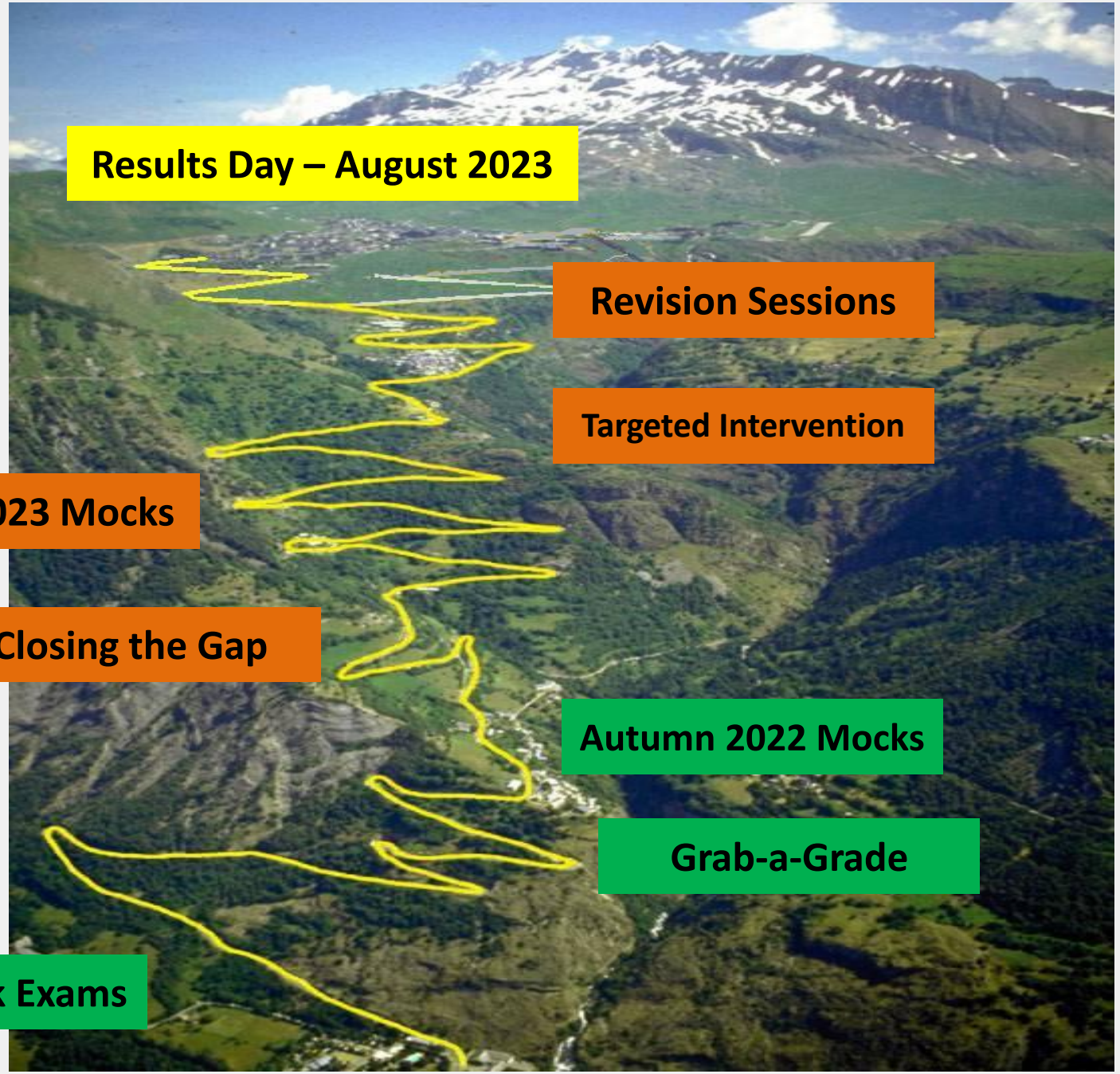
-**EBI:**

- We need to make more use of the extract!
- Thesis statements!
- Embed quotations!

Maths Update

Where are you now? What is your goal?

CORBY Technical School


Results Day – August 2023
Revision Sessions
Targeted Intervention
Spring 2023 Mocks
Closing the Gap
Autumn 2022 Mocks
Grab-a-Grade
EOY10 Mock Exams

Overview: Mathematics

11A1

- ❑ Use of full coverage booklets
- ❑ Higher content finished
- ❑ Exam practice

- ❑ Histograms
- ❑ Frequency Polygons
- ❑ Algebraic Fractions
- ❑ Venn Diagrams
- ❑ Data Interpretation

- ❑ Building flexible knowledge
- ❑ A-Level Transition
- ❑ Wednesday: Problem Solving Focus

11A2

- ❑ Standard Form
- ❑ Drawing quadratic graphs
- ❑ Direct proportion
- ❑ Error intervals
- ❑ Compound interest & depreciation
- ❑ Changing the subject

- ❑ Miss Harrison – Statistics and interpreting data
- ❑ Miss Adamska – Geometry inc. trigonometry

- ❑ Maximising marks at the beginning of the paper
- ❑ QLAs to target smaller issues and misconceptions in engage task

11H

- ❑ Expanding Triple Brackets
- ❑ Recurring Decimals to Fractions
- ❑ Prime Factorisation
- ❑ Indices
- ❑ Error Intervals
- ❑ Combinations
- ❑ Expanding Triple Brackets

- ❑ Drawing and Interpreting Quadratics
- ❑ Estimate of the Mean
- ❑ Box Plots & Cumulative Frequency
- ❑ Capture Recapture
- ❑ Trigonometry

- ❑ New higher content
- ❑ Exam Practice

Overview: Mathematics

Re-shuffle

11P	11Q	11R

- ❑ Focus on one-markers – success with square roots, multiples, negative numbers, reflections & pictograms
- ❑ Covered the syllabus, allowing time to focus on exam technique

11P

- ❑ Quadratics
- ❑ Exact Trigonometric Values
- ❑ Averages from Frequency Tables
- ❑ Reverse Percentages
- ❑ Quadratic Equations

11Q

- ❑ Estimation
- ❑ Related Calculations
- ❑ Speed, Distance & Time
- ❑ Worded Problems

11R

- ❑ Plans & Elevation
- ❑ Ratio Worded Problems
- ❑ Averages from Frequency Tables
- ❑ Error Intervals

- ❑ Grade 5 Focus
- ❑ Multi-step problems

- ❑ Developing resilience with the second half of GCSE papers through walking talking mocks
- ❑ Problem Solving booklets
- ❑ Focus on Pythagoras Theorem – completed!

Awards

English and Maths Progress

CORBY Technical School

Reason 1 They help you communicate with and understand the world around you

- It’s impossible to go a day without using English and maths skills, and a good level of understanding means that you can have more control over things like:
  - ***your finances,***
  - ***communication,***
  - ***a better understanding of issues such as politics and current affairs.***

Reason 2 English and maths pay

- The majority of employers look for at least GCSE grade 4/C in each subject, so English and maths skills could be the difference between you getting the job or promotion you want or not.
  - ***On average those who have a strong pass in both English and maths will earn £2000 more than those without both qualifications at the start of their career.***

Reason 3

You're more likely to get into university and apprenticeships

- Strong passes in you core subjects will set you apart from the 1000's of other applicants applying for the same course for you.
  - Management at the University of Leeds specifies that you must have at least a grade 6 in English language and maths under your belt.
  - Psychology at the University of Bath asks for 'a strong set of GCSEs, such as grade A*, 8 or 9 in at least five relevant GCSEs. Psychology links strongly to English (report writing and research) and Maths (Data Collection and Analysis).
  - The University of Birmingham's medical school, expects 8's or 9's in English **and** Maths in addition to the expected high grades in the Sciences.
  - Social work and secondary school teaching: these professions won't consider you without at least a grade C (or 4 or 5) in maths **and** English language at GCSE.
  - Nursing and primary school teaching: grade C (or 4 or 5) in GCSE English, maths **and** science.

Reason 4 They are compulsory

- You will be expected to resit English and Maths if required.
  - ***Not to punish you but because they are that essential.***

Progress Awards

Progress in Language, Literature & Mathematics

CORBY Technical School

Results Assembly

Results Assembly

Results Assembly

Results Assembly

Results Assembly

Results Assembly

Results Assembly

Results Assembly

Awards

Maths Top Performer

CORBY Technical School

Results Assembly

Awards

English Language Top Performer

CORBY Technical School

Results Assembly

Awards

English Literature Top Performer

CORBY Technical School

Results Assembly

What next?

How are we going to ensure further progress?

CORBY Technical School

Maths: Preparing for May

- Next Mock Examinations – TBC
  - These are likely to be in in the latter half of term 3.

Paper 1

Paper 2

Paper 3

All papers are **structured** in the same way:

- 80 marks per paper
- 90 minutes to complete
- No formula sheet
- Each paper can assess any topic on the curriculum

It is expected that some form of formula sheet will be given in the summer exams. You will be given one for your mock examination.

There are **three** types of questions:

AO1: Use and apply standard techniques

AO2: Reason, interpret and communicate mathematically

AO3: Solve problems within mathematics and other contexts

Mathematics - QLAs

Compare decimal numbers	Multiple of a number	Round decimal numbers	Convert fractions to decimals	Read and write positive integers	Probability of single events on a pro	Probability of single events on a pro	Pictograms	Read coordinates in the first quadra	Read coordinates of a point on the y	Plot coordinates on a grid	Write ratios as fractions	Write ratios in the form 1:n or n:1	Fractions (worded problems)	Reflect a shape in a vertical line	Number machines (find output)	Number machines (find input)	Scale diagrams with bearings	Scale diagrams with bearings	Two-way tables	Proportion problem solving	Median from frequency tables	Mean from frequency tables	Decrease a quantity by a fraction an	Estimate complex calculations	Expand a single bracket	Factorise simple expressions	Solve 2-step equations (involving mu	Linear sequences (nth term)	Multiplying mixed numbers	Recognise quadratic, cubic and recip	Congruent triangles	Percentage profit	Multi-step angle problems	Interpret stem-and-leaf diagrams	Pressure, volume of a prism	Compare numbers in standard form	Harder problems involving ratios	Change the subject of the formula	Indices with algebraic expressions
1	2	3	4	5	6a	6b	7	8a	8b	8c	9a	9b	10	11	12a	12b	13a	13b	14	15	16a	16b	17	18	19a	19b	19c	20	21	22	23	24	25	26	27	28	29	30a	30b
1	1	1	1	1	1	1	4	1	1	1	1	2	4	2	1	2	0	1	3	0	1	1	5	3	1	1	2	2	1	2	0	0	2	0	3	2	3	2	0
0	1	1	1	1	1	1	4	1	1	1	1	1	4	2	1	0	1	1	3	1	1	1	4	3	1	1	2	2	3	0	1	3	2	0	3	0	1	2	1
1	1	1	1	1	1	1	4	1	0	1	1	1	4	2	1	1	1	0	3	1	1	1	2	3	1	1	2	2	1	2	1	2	2	0	3	1	3	0	0
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0	1	1	1	1	1	1	4	1	1	1	1	1	4	2	1	2	1	1	3	3	1	1	5	2	1	1	2	2	1	0	1	3	5	0	0	2	3	2	0
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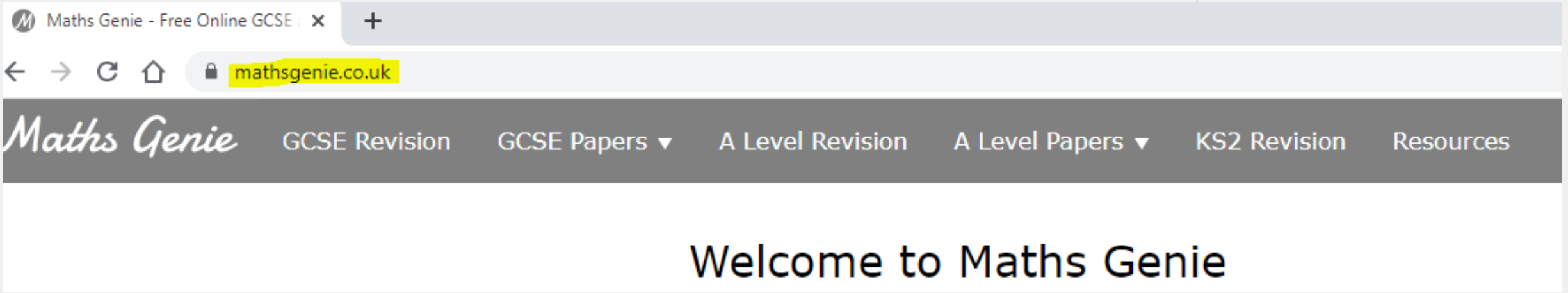
1	1	1	1	1	1	1	4	1	1	1	1	2	2	2	1	2	0	3	3	1	1	1	5	3	1	1	2	2	3	0	0	3	2	0	3	2	0	2	1
1	1	1	1	1	1	1	1	1	1	1	1	2	4	2	1	2	0	2	3	3	1	1	5	2	1	1	2	2	3	2	0	0	2	1	0	2	0	0	0
1	1	1	1	1	1	1	4	1	1	1	1	0	4	2	1	2	0	2	3	1	1	1	2	3	1	1	2	2	1	1	0	3	4	1	1	0	0	0	0
1	1	1	1	1	1	1	4	1	1	1	1	1	4	2	1	2	1	1	3	2	0	1	5	3	1	1	2	2	3	0	0	3	4	2	1	2	1	2	0
1	1	1	1	1	1	1	4	1	1	1	1	2	4	2	1	2	0	2	3	3	0	1	2	1	1	1	2	1	0	0	1	2	0	2	3	1	1	2	1
1	1	1	1	1	1	1	4	1	1	1	1	0	4	2	1	0	0	0	3	0	1	1	5	2	1	1	2	0	3	0	0	3	2	0	0	2	0	0	0
1	1	1	0	1	1	1	4	1	1	1	1	1	2	2	1	2	0	0	1	3	1	1	5	1	1	1	2	2	1	0	1	3	2	2	3	2	0	2	1

Questions	Question Title	Score
1	Compare decimal numbers	1 / 1
2	Multiple of a number	1 / 1
3	Round decimal numbers	1 / 1
4	Convert fractions to decimals	1 / 1
5	Read and write positive integers	1 / 1
6a	Probability of single events on a probability scale	1 / 1
6b	Probability of single events on a probability scale	1 / 1
7	Pictograms	4 / 4
8a	Read coordinates in the first quadrant	1 / 1
8b	Read coordinates of a point on the y axis	1 / 1
8c	Plot coordinates on a grid	1 / 1
9a	Write ratios as fractions	1 / 1
9b	Write ratios in the form 1:n or n:1	2 / 2
10	Fractions (worded problems)	4 / 4
11	Reflect a shape in a vertical line	2 / 2
12a	Number machines (find output)	1 / 1
12b	Number machines (find input)	2 / 2
13a	Scale diagrams with bearings	0 / 1
13b	Scale diagrams with bearings	1 / 3
14	Two way tables	3 / 3
15	Proportion problem solving	0 / 3
16a	Median from frequency tables	1 / 1
16b	Mean from frequency tables	1 / 1
17	Decrease a quantity by a fraction and a percentage	5 / 5
18	Estimate complex calculations	3 / 3
19a	Expand a single bracket	1 / 1
19b	Factorise simple expressions	1 / 1
19c	Solve 2 step equations (involving multiplication)	2 / 2
20	Linear sequences (nth term)	2 / 2
21	Multiplying mixed numbers	1 / 3
22	Recognise quadratic, cubic and reciprocal graphs	2 / 2
23	Congruent triangles	0 / 1
24	Percentage profit	0 / 3
25	Multi step angle problems	2 / 5
26	Interpret stem and leaf diagrams	0 / 3
27	Pressure, volume of a prism	3 / 3
28	Compare numbers in standard form	2 / 2
29	Harder problems involving ratios	3 / 3
30a	Change the subject of the formula	2 / 2
30b	Indices with algebraic expressions	0 / 1
	Total	61 / 80

Maths: Revision

Revision – Maths Genie will be our **main** revision tool



Maths: Term 2 Update

GCSE Revision

Video tutorials, practice exam style questions and answers.

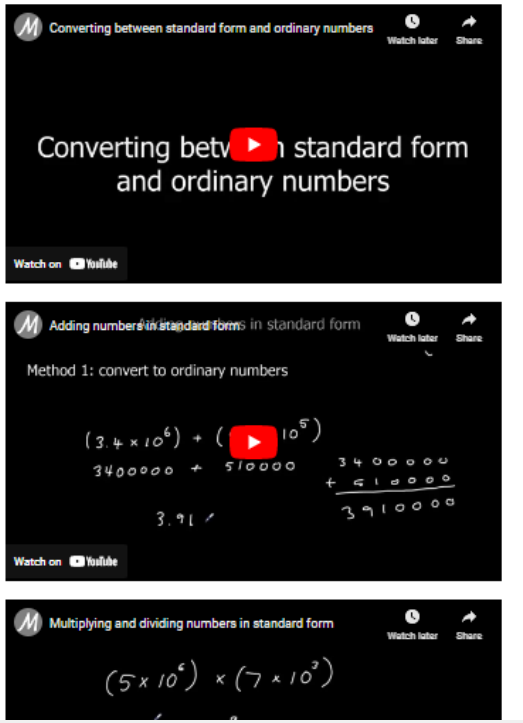
Edexcel GCSE Papers

Edexcel GCSE past papers with model solutions and video explanations.

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

Video tutorials



Exam Questions – in an easy to print version

mathsgenie.co.uk | Please do not write on this sheet | mathsgenie.co.uk

1 (a) Write 1.2×10^5 as an ordinary number. (1)
(b) Write 0.003 in standard form. (1)
(2 marks)

2 (a) Write 42 900 000 in standard form. (1)
(b) Write 3.61×10^{-3} as an ordinary number. (1)
(2 marks)

3 (a) Write 9.516×10^6 as an ordinary number. (1)
(b) Write 0.0724 in standard form. (1)
(c) Calculate $(8.694 \times 10^2) \div (6.21 \times 10^{-3})$
Give your answer in standard form. (2)
(4 marks)

4 (a) Write 5.12×10^{-5} as an ordinary number. (1)
(b) Write 5 600 000 in standard form. (1)
(2 marks)

5 (a) Write 0.0065 in standard form. (1)
(b) Write 3×10^4 as an ordinary number. (1)
(2 marks)

6 (a) Write 3.08×10^{-5} as an ordinary number. (1)
(b) Write 5 million in standard form. (1)
(c) Calculate $(6.3 \times 10^5) \times (2.5 \times 10^{-2})$
Give your answer in standard form. (2)
(4 marks)

7 Work out $(8.69 \times 10^{-5}) \div (5.5 \times 10^{-7})$
Give your answer in standard form.
(2 marks)

8 (a) Write 0.00931 in standard form. (1)
(b) Write 7.429×10^3 as an ordinary number. (1)
(2 marks)

9 (a) Write 5.2×10^{-1} as an ordinary number. (1)
(b) Work out the value of $(3.2 \times 10^3) \times (6.5 \times 10^4)$
Give your answer in standard form. (2)
(3 marks)

10 Write 0.21×10^6 in standard form.
(1 mark)

11 Work out $(6.7 \times 10^4) \times (3.4 \times 10^{-8})$
Give your answer as an ordinary number.
(2 marks)

12 Work out $\frac{0.03 \times 0.02}{0.008}$
Give your answer in standard form.
(3 marks)

13 Work out $\frac{3.744 \times 10^9}{2.4 \times 10^5}$
Give your answer in standard form.
(2 marks)

Mark Scheme (Solutions)

1 (a) Write 1.2×10^5 as an ordinary number.
120 000 (1)

(b) Write 0.003 in standard form.
3×10^{-3} (1)
(Total for Question 1 is 2 marks)

2 (a) Write 42 900 000 in standard form.
4.29×10^7 (1)

(b) Write 3.61×10^{-3} as an ordinary number.
0.00361 (1)
(Total for Question 2 is 2 marks)

3 (a) Write 9.516×10^6 as an ordinary number.
9516000 (1)

(b) Write 0.0724 in standard form.

Maths: Term 2 Update

GCSE Revision
Video tutorials, practice exam style questions and answers.

Edexcel GCSE Papers
Edexcel GCSE past papers with model solutions and video explanations.

Foundation GCSE Exam Papers

Paper	Answers
2020 Paper 1	MS Ans ▶
2020 Paper 2	MS Ans ▶
2020 Paper 3	MS Ans ▶
November 2019 Paper 1	MS Ans ▶
November 2019 Paper 2	MS Ans ▶
November 2019 Paper 3	MS Ans ▶
June 2019 Paper 1	MS Ans ▶
June 2019 Paper 2	MS Ans ▶
June 2019 Paper 3	MS Ans ▶

Access to Higher and Foundation GCSE Papers

Easy to use mark scheme (official one available too)

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Write the following numbers in order of size.
Start with the smallest number.

0.32 0.4 0.35 0.309

0.309, 0.32, 0.35, 0.4

(Total for Question 1 is 1 mark)

2 Here is a list of numbers.

5 11 18 22 29

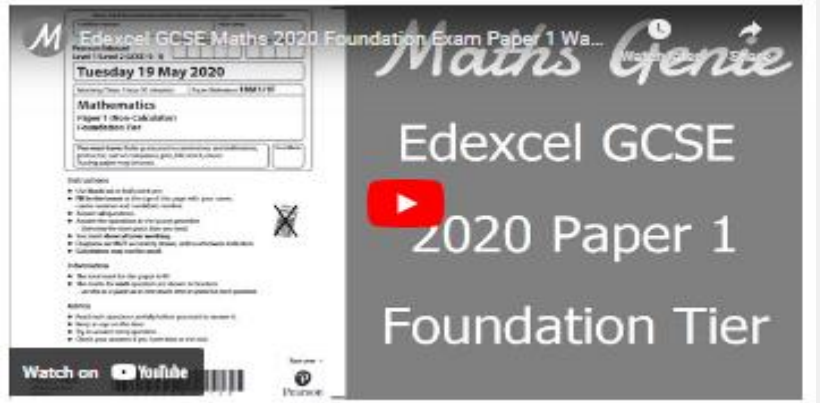
From the list, write down a multiple of 3

18

(Total for Question 2 is 1 mark)

Paper: 1MA1/1F			
Question	**Answer**	**Mark**	**Mark scheme**
1	0.309, 0.32, 0.35, 0.4	B1	for 0.309, 0.32, 0.35, 0.4
2	18	B1	cao

A video of an expert going through the whole paper



Mathematics

Invite-only intervention

- Tuesdays; 4.00-5.00pm

Grade 9 Support

- Optional
- Tuesdays; 8.00-8.30am
- Last **4** questions of higher paper with Miss Kaur

Higher Additional Exam Practice

- Optional
- Tuesdays; 4.00-5.00pm
- Developing Exam Technique with higher papers

Foundation Additional Exam Practice

- Optional
- Wednesdays; 4.00-5.00pm
- Developing Exam Technique with foundation papers

English

Lesson time is valuable!

- Next term, in Language lessons, we will be focusing on Language Paper 2. You will be guided through each question and regularly skills tested (using the teach-blind approach).
- In Literature lessons, we will have a poetry focus (2 lessons Power and Conflict, 1 unseen) for the first 4 weeks. In Week 5, we will move onto your 19th Century revision.

English

Other than lessons….

- Mock feedback sessions- use this time to reflect, address areas of development and make progress.
- Student voice survey.
- Term 3 “mini grab a grade” during tutor time focusing on grade 3 /4 borderline.
- Stretch and Challenge and Revision clubs and drop ins after school.
- We will be assigning English mentors for those of you who are close to the next grade and just need a little push to get there.
- All text books are available to purchase on wisepay, including revision guides.
- Revise, revise, revise!

English

How should I revise for English Language?

- In Term 3 you will be given a mock paper to take home. As you are taught the skills for each question in lessons, reflect on this and try out the same questions at home. Hand these questions in to be marked and use this feedback to inform areas you need to develop on.
- Read! Reading for pleasure in your own time can teach you how to construct narratives and use techniques seamlessly in your writing. It also improves your vocabulary.
- Improve your creative writing by writing short stories at home. Hand this in to be marked.
- Transactional writing requires you to be knowledgeable about the world. Read the news, look up things that interest you!
- Turn your research and interests into speeches, letters and articles. Use this as a forum to express your opinions. Hand your transactional writing in to be marked!

English

How should I revise for English Literature?

- Step 1: Make sure you **know** the plays, novella and poems.
  -Re-read them.
  -Create a timeline of the plot.
  -Create posters, mind-maps, revision cards of the characters and key themes.
  -Create a bank of key quotations. Learn the quotes using strategies which suit your learning needs.
  -Create relationship maps and character grids.
- Step 2: Ask for exam questions. Plan and write up your essays. Time yourself. Get teachers to mark your responses and give you feedback.

I had to put the work in every single day

When I got home I would think about all the things that I had been taught during the day to consolidate my knowledge.

For the most part these results are down to working hard in all lessons.

'I did two hours of revision a night in Year 11 so that by the time exams came around I didn't have to worry as much. I stayed behind a lot after school and the teachers were really helpful. I would advise students to push themselves to work as hard as they can.

I revised practically every night so it was about doing consistent hard work. I would advise students to work hard because consistency is the key to this, mainly focusing in lessons and making the most of your time, asking the teacher for help if you need it and just concentrating.

English

Useful websites and resources:

-Massolit

GCSEPod

-BBC Bitesize

-Sparknotes

-Shmoop

-Yorknotes

-Cliffnotes

-Revision World

-Youtube- Mr Bruff, MissHannaLovesGrammar.

Don’t break the chain!