# Year 11 Support and Revision Event

## Thursday 3rd November 2022

# Big Picture

Part-mock series       14th November 2022

Next Steps event       29th November 2022

Report       19th December 2022

Parents' evening       11th January 2023

Mock series       1st March 2023

Parents' evening       19th April 2023

Report       24th April 2023

Summer exams*       15th May – 28th June

\* Draft calendar – practical subjects before this

# Examination Requirements

- All information and candidate instructions are on the school's website. Please do read.

- In exams, clear water bottles / clear pencil cases and correct equipment.

- No phones … no watches … no airpods, etc.

- Nothing in pockets / blazers.

- Be on time.

# How long to final exams?

# 120 days

Class of 2023

# Mocks begin Nov 14th

# 10 days away!

# Mocks are SO important

- Practise
- Mindset – revision cycle
- Gaps in knowledge
- Reach your Potential
- College/apprenticeship applications

# Revision Timetable in your booklet

Questions you need to ask. What exams do you have? When? What's the best way to make sure you're prepared to do your best?
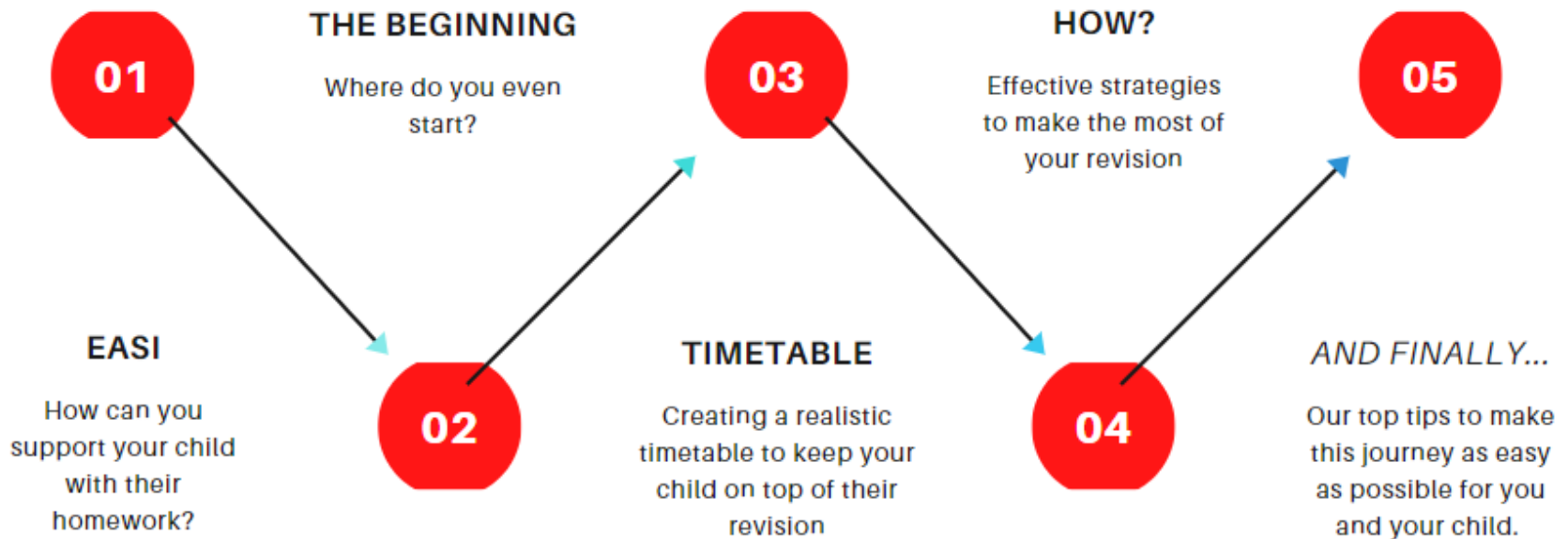
Class of 2023

# Be Organised

**01**

### THE BEGINNING

Where do you even start?

**EASI**

How can you support your child with their homework?

**02**

**TIMETABLE**

Creating a realistic timetable to keep your child on top of their revision

**03**

### HOW?

Effective strategies to make the most of your revision

**04**

*AND FINALLY...*

Our top tips to make this journey as easy as possible for you and your child.

**05**

# Getting the most out of EASI

Logging on

On a computer (in school or at home), or on a phone:

1) Open a webpage by using Chrome or any web browser. In the address bar at the top,

type: **https://hermitage-systems.nelt.co.uk/**

2) When you open the webpage, you will be asked to log in. This is your school email address and password

On your phone

1) Go to easi.hermitageacademy.co.uk
2) Tap the 'share' icon at the bottom of your phone
3) tap 'add to home screen' (this will create an app style shortcut)
4) type a name (EASI) and tap the 'add' button

TOP TIP!
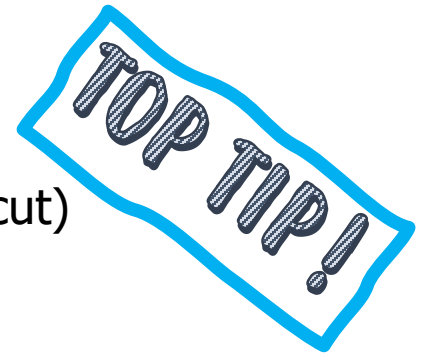
Class of 2023

# GETTING THE MOST OUT OF EASI

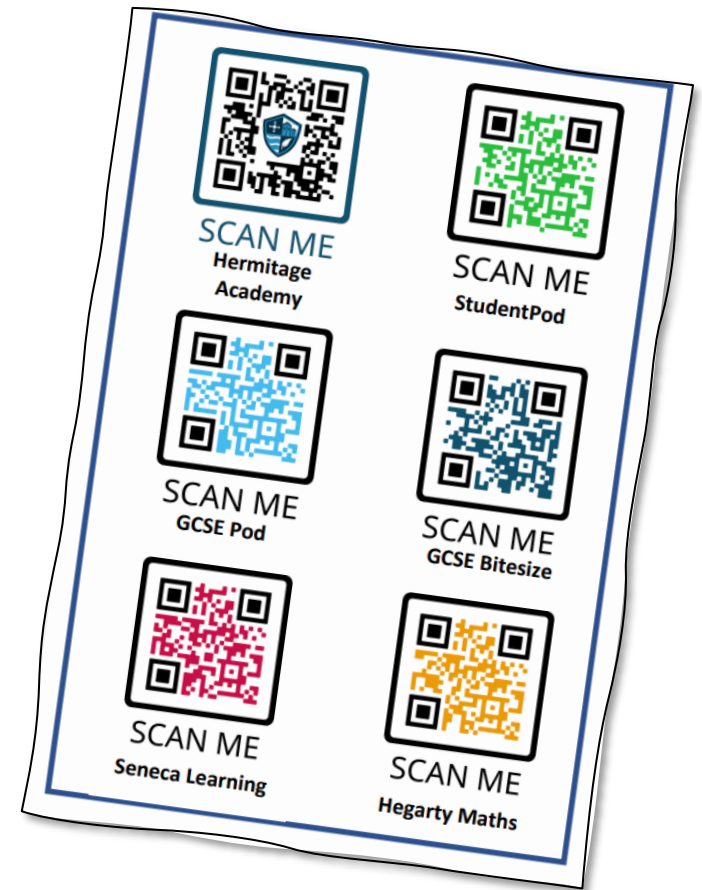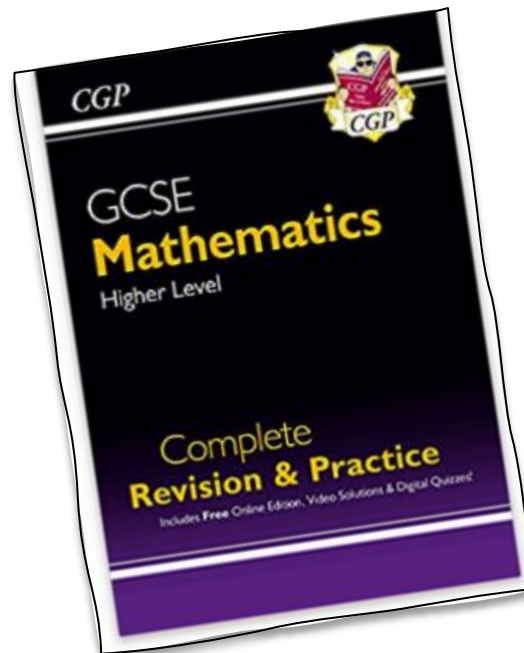## TOP TIP!

From the school website:

Students can log onto EASI by clicking on the EASI button on the homepage

| OFFICE 365 LOGIN | EASI | POD |

Hermitage Academy

SEARCH

HOME    OUR SCHOOL    SIXTH FORM    CURRICULUM    USEFUL INFO    NEWS    CALENDAR    CONTACT

Class of 2023

# Revision

SCAN ME
Hermitage Academy

SCAN ME
StudentPod

SCAN ME
GCSE Pod

SCAN ME
GCSE Bitesize

SCAN ME
Seneca Learning

SCAN ME
Hegarty Maths

CGP

GCSE
Mathematics

Higher Level

Complete
Revision & Practice

Includes **Free** Online Edition, Video Solutions & Digital Quizzes

Class of
2023

# How are we supporting students?

- Form time: students will receive guidance and support on <u>how</u> to revise.

- We have mapped out different strategies and techniques across the year. These started this week and will continue until their final exams.

- Students will be given time to create revision materials.
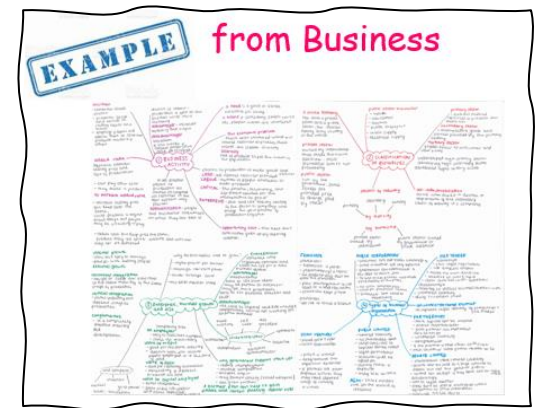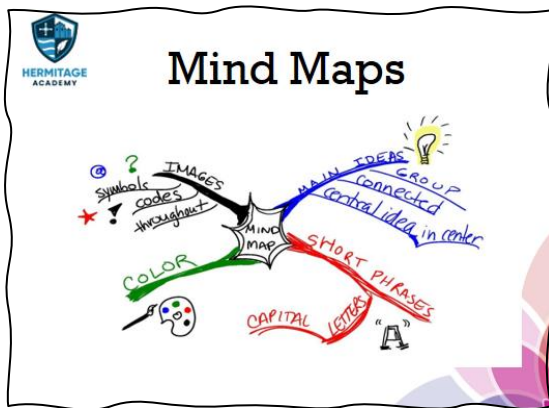
# How are we supporting students?

- Next week, students will be looking at how to create and use reflective flash cards (please take some from the back).
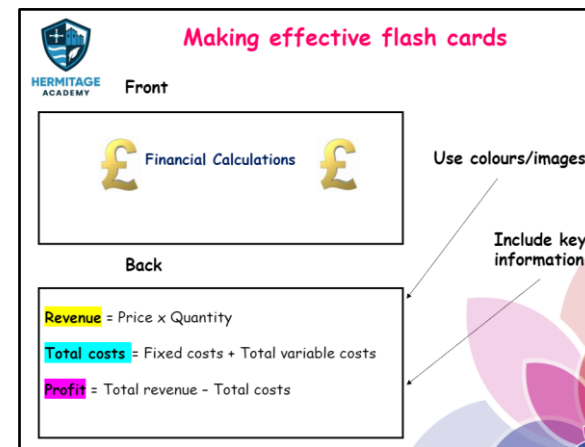


- We have mapped out support in form time until June 2023.

# Starting to Revise

**Red**

Red - I know I am struggling in this subject.

**Amber**

Amber – I am confident that I have improved since summer. I am working hard and I know where I went wrong.

**Green**

Green - I am very confident in this subject.
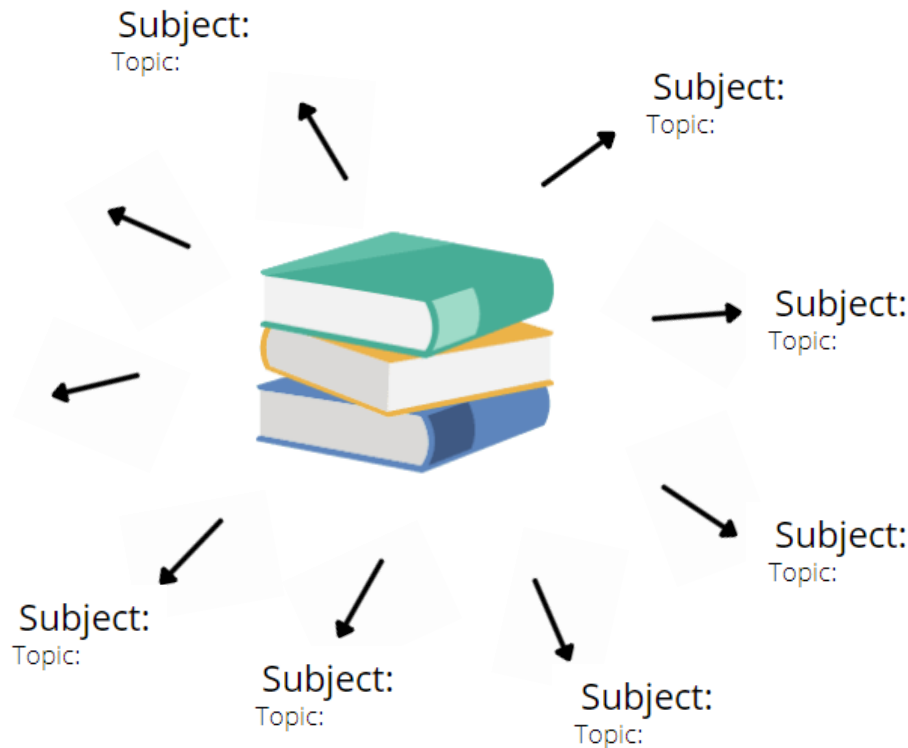
# TROUBLESOME TOPICS

## Topic information

- **Knowledge organisers**
- Sharepoint → Student POD → KS4 → Subject → Knowledge organisers



- **Booster Classes**



- **Topic lists**
- Revision guides

Subject:
Topic:

Subject:
Topic:

Subject:
Topic:

Subject:
Topic:

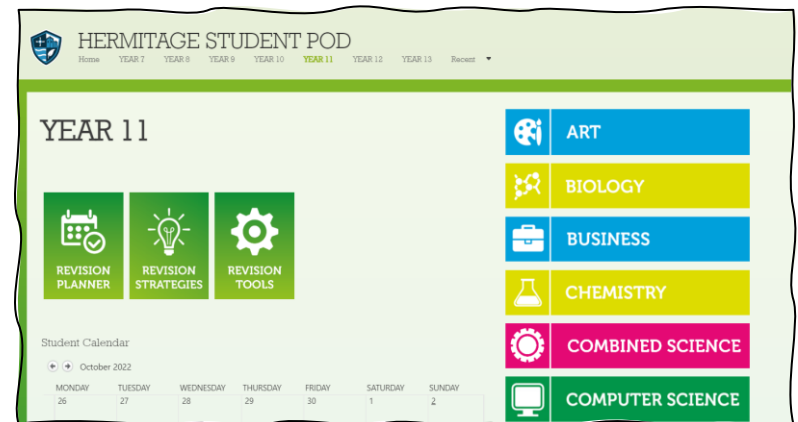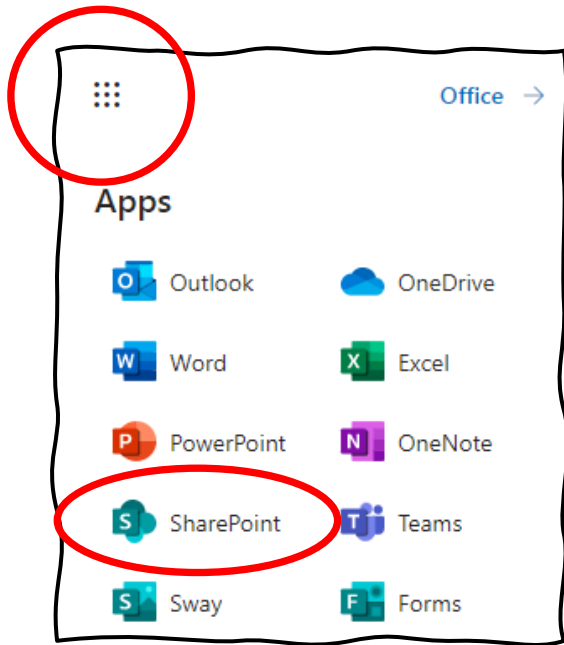Subject:
Topic:

Subject:
Topic:

Subject:
Topic:

## How does this help?

Listed subjects in order of priority

You know thE TOPICS YOU NEED TO FOCUS ON

# Student POD

## ONLINE RESOURCES

# Student POD

Class of 2023



HERMITAGE STUDENT POD

Home    YEAR 7    YEAR 8    YEAR 9    YEAR 10    **YEAR 11**    YEAR 12    YEAR 13    Recent ▼

## YEAR 11

REVISION PLANNER    REVISION STRATEGIES    REVISION TOOLS

Student Calendar

◄ ► October 2022

| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY |
|--------|---------|-----------|----------|--------|----------|--------|
| 26 | 27 | 28 | 29 | 30 | 1 | |

ART
BIOLOGY
BUSINESS
CHEMISTRY
COMBINED SCIENCE
COMPUTER SCIENCE

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HERMITAGE STUDENT POD

### REVISION STRATEGIES

8 Effective Revision Strategies

1. Look, Cover, Write and Check

**Revision Made Easy**

Strategy No.1
Look Cover Write Check

2. Read, Write, Summarise and Listen

**Revision Made Easy**

Strategy No.2

Why, where, when, how?

Why should you revise?

Your brain forgets details of the work you did months ago, but you need these details to answer the questions in the exam, so you need to 'top-up', by using the correct revision technique.

Where should you revise?

In a quiet room that is warm and well lit and that has a table to work out. Ideally with a table-lamp, to help you focus on the page and a clock for timing.

When should you revise?

Start your revision early each evening, before your brain gets tired.

How should you revise?

If you just sit down to revise, without a definite finishing time, then your learning efficiency (the amount you can learn) falls lower and lower. This can be improved if you decide at the beginning how long you will work for, with a clock/timer as your brain knows the end is coming. You can improve this even more you you break up a 2-hour session, into 4 shorter sessions, each of about 25-minutes with a short planned break between them.

How often should you revise?

The amount your brain can recall later increases for about 10 minutes and then it begins to fall. However if you quickly re-revise after 10 minutes, then it falls more slowly. Even better if you quickly re-revise again, after 1 day, then it falls even more slowly. And even better still if you quickly re-revise again, after 1 week, then it falls even more slowly. The best intervals for 'topping-up', by revisiting or briefly re-revising are:

- 10 minutes
- 1 day
- 1 week

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HERMITAGE STUDENT POD

Home    YEAR 7    YEAR 8    YEAR 9    YEAR 11    YEAR 12    YEAR 13    Recent ▼

### REVISION TOOLS

Here's a range of different websites that can support your own independent revision at home:

Quizlet - Create online flashcards or use flashcard sets created by other teachers and students.
Memrise - A free website that can help you remember vocabulary, ideas and concepts.
BBC Bitesize - Revision materials for most subjects.
Bubbl - Create free online mindmaps.
Popplet - Create free online mindmaps and can add pictures too.
Gojimo - Access thousands of practice questions for free.
Seneca - Free website with revision material for all exam boards and topics.
Revisionworld - Free GCSE revision for a range of subjects
S-Cool - Revision site for GCSE and A Level subjects
GetRevising - Tools to plan revision and make revision notes
GCSEPod - Downloadable pods for GCSE subjects

# Topic Lists for part-mocks

Class of 2023

- Subject areas have created topics lists to help students revise for their part mocks.

- Students should use these to help them revise.

- Some of these topics may appear on their summer exams – early revision.

## There are no topic lists for 2023 June exams for most subjects

# Revision timetable

Class of 2023

- Family calendar

- Can you skip/reduce time?

- Can you find time to revise at the event?

- Think about **balance**.

Other commitments

# REVISION TIMETABLE

**Class of 2023**

1. Block out any prior commitments.

2. Include any booster sessions at school.

|  | Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|---|
| 3-4pm |  |  |  |  |  |
| 4-5pm |  |  |  |  |  |
| 5-6pm |  |  |  |  |  |
| 6-7pm |  |  |  |  |  |
| 7-8pm |  |  |  |  |  |
| 8-9pm |  |  |  |  |  |

3. Designated homework slots.

7. 45 minutes of quality revision and then take a break.

4. Check your exam timetable. Try and share your time equally between red subjects.

5. Look at your subject RAG ratings. Start with any red subjects.

6. Include topics that you need to work on.

# REVISION TIMETABLE

**Class of 2023**

1. Block out any prior commitments.

2. Include any booster sessions at school.

3. Designated homework slots.

4. Check your exam timetable. Try and share your time equally between red subjects.

5. Look at your subject RAG ratings. Start with any red subjects.

6. Include topics that you need to work on.

7. 45 minutes of quality revision and then take a break.

|  | Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|---|
| 3-4pm |  | Maths | English | Science |  |
| 4-5pm | Football |  |  |  |  |
| 5-6pm |  | Maths - expand / factorising | Music - set works |  |  |
| 6-7pm |  |  |  | History - American West |  |
| 7-8pm |  |  |  |  | Babysitting |
| 8-9pm |  |  | English - ACC read chap. 1-5 |  |  |

# Create the climate

- Distraction free.
- Mobile phones switched off and out of sight.
- If using electronic devices to revise then switch off notifications from social media.
- Use breaks to check messages / listen to music - we recommend you work for 30-45 minutes then take a 10 minute break.

# Revise Smart

- You will be given a revision list for each of your subjects for **Part mock series**.
- You need a **reliable source of information** to revise from - for example exercise books, Knowledge Organisers, exam board specific revision guides.

# Revision Top Tips

**Start Early**

**Create a Plan**

**Avoid Distractions**

**Revise, Repeat, Remember**

**Test Yourself**

**Prioritise Your Time**

**Set Targets**

# TO-DO LIST:

1. REVISE

2.

3.

# Supporting Students

- If you have any concerns or your child has any concerns – we need to know.

- We have ensured students are getting impartial careers advice and guidance.

- Laurea Centre staff are always available to speak to and support our students.

# ATTENDANCE MATTERS

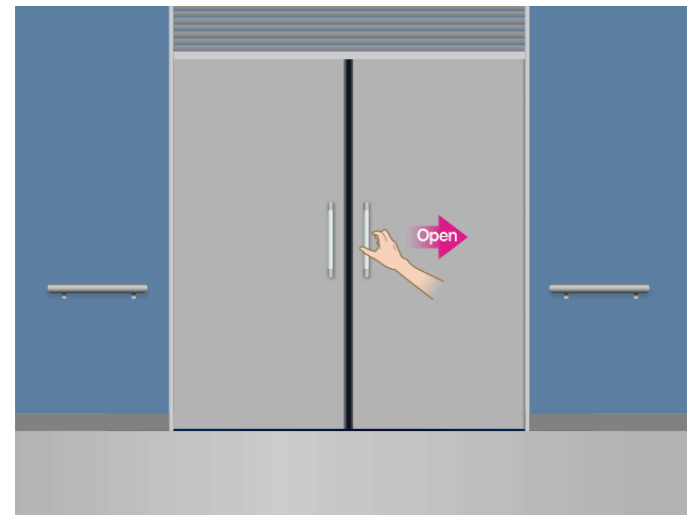| Attendance Percentage | Days Missed |
| --- | --- |
| 95 | 9.5 |
| 90 | 19 |
| 85 | 28.5 |
| 80 | 38 |

**17 days of absence over the year often means a drop in GCSE grade in <u>all subjects</u>.**
**Regular face-to-face education enables all pupils to fulfil their potential.**

# Behaviour for Learning

- Young adults

- Important decisions about next steps

- The right grades open doors

- STEP UP

# Revision / lunch and after school sessions:

- **What are they?**

- **Why should I do them?**

- **Incentives and rewards**

# Revision Sessions – What is available?

**Class of 2023**

## Year 11 revision Timetable 2022-2023

**HERMITAGE ACADEMY**

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|
| **Lunch** | | | | |
| **Drama** DR1 | **RE** RE2 | **Hospitality and Catering** TEC3 | **English** EN1, 2, 3, 4 | **Hospitality and Catering** TEC3 |
| **Media** MD1 | **PE** PE Classroom | **Business** BUS1 | **Hospitality and Catering** TEC3 | **Music** MUS3 |
| **Spanish** MF2 | **BTEC Sport** PE Classroom | **iMedia** IT2 | **Music** MUS3 | **French** MF1 |
| **DT** TEC4 | **DT** TEC4 | **Computer Science** IT1 | **Business** BUS1 | **DT** TEC4 |
| **Health & Social Care** CR1 | | **DT** TEC4 | **History** HUM1/2 | |
| | | | **DT** TEC4 | |
| **After School** | | | | |
| **Science** SC7 | **Maths** MA1, 2, 3, 4, 5, 6, 9 | | **English** EN1, 2, 3, 4 | **Art** ART2 |
| **Music** MUS3 | **Geography** HUM5/8 | | **Drama** DR1 | **Photography** ART1 |
| **Art** ART2 | **Art** ART2 | | **iMedia** IT1/2 | **PE** PE Classroom |
| **Photography** ART1 | **Photography** ART1 | | **Art** ART2 | **BTEC Sport** PE Classroom |
| **DT** TEC4 | **DT** TEC4 | | **Photography** ART1 | |
| **Hospitality and Catering** TEC3 | **Hospitality and Catering** TEC3 | | **Music** MUS3 | |
| | **Media** MD1 | | **Health & Social Care** CR1 | |
| | **Health & Social Care** CR1 | | | |
| | **RE** RE1/2 | | | |

# We are proud of our students – we want them to do well.

# English Language and English Literature

- Two distinct qualifications.
- Four separate exams.
  - English Language Fiction – reading and writing.
  - English Language Non-fiction – Reading and writing.
  - English Literature – Shakespeare and A Christmas Carol.
  - English Literature – An Inspector Calls, Power and Conflict Poetry and Unseen Poetry.

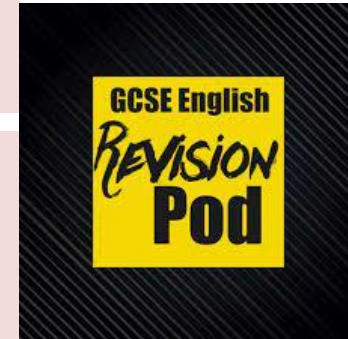- Important in terms of **any** career/academic pathway.
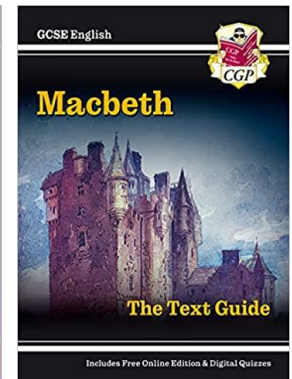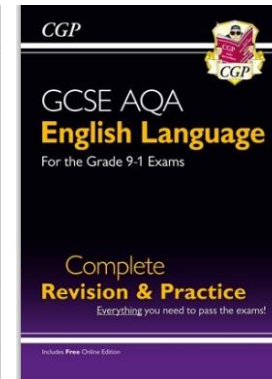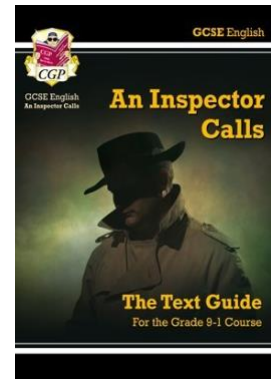
We recommend one guide for English Language and separate shorter guides for English Literature.

English Language – Reading and writing fiction/non-fiction.

English Literature:
An Inspector Calls,
Macbeth,
A Christmas Carol,
Power and Conflict Poetry,
Unseen Poetry.

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# How to revise for English.

- **Remind students what they will marked on**. We don't know the content, but we do know the structure.
- **Refresh their memory** with study guides, websites, their class books; map the gap.
- **Organise their notes**. Use post-it notes, flashcards and section their work/ideas to match the exams.
- **Re-read the texts**. Audio book versions are available as well as detailed plot summaries online.
- **Discuss ideas**. Buddy up! Testing each other on key quotes and discussing interpretations.
- **Past Papers**. Use the AQA website and ask teachers. They have already completed many papers for every section; re-read the work!
- **Review all notes**. Revisit regularly for short periods of time – keep them handy.

GCSE English Revision Pod

gcsepod
education on demand

SENECA
Learn better, faster, free.

MR EVERYTHING ENGLISH

*sparknotes

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Take regular breaks

Practising ~~REVISING~~ MATHS

Make a timetable

Work through past papers

Google it!

Use or make revision cards, a popplet or a prezi

BUT do get them marked using a mark-scheme

Find a quiet workspace

Do a little bit of "practice" every day

Ask for help if unsure

Work through past papers

Know the formula you need to remember & what is in the paper

Study with a friend – teach them a topic & vice versa

Know what topics to focus on

Make sure you have and USE a recommended revision guide

Watch the tutorials or revision clips your teacher suggests

make a list and update it regularly

Its no good just owning a guide … USE IT!
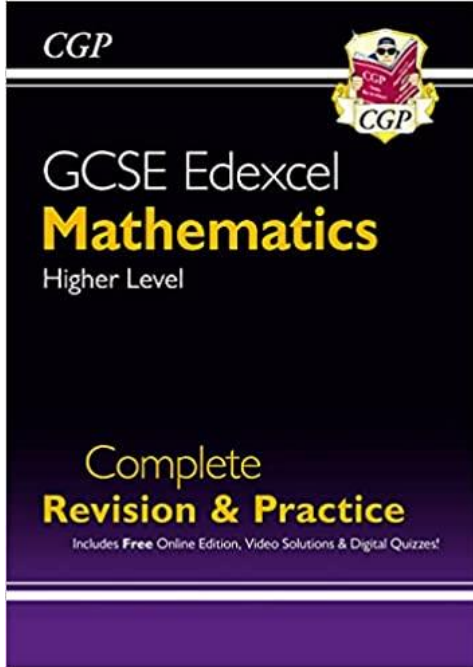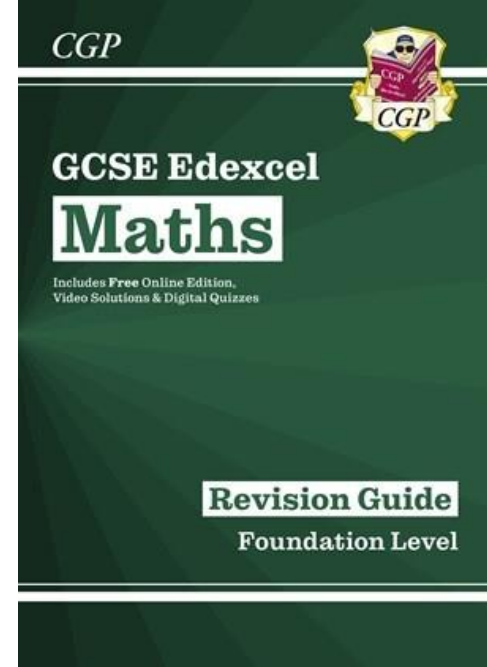
Follow @ReviseJustMaths

To revise maths you need to DO maths!

# Revision Guide and Workbook

- Revision guides are great for reminding students what they need to know about a topic – but they need to make sure that they are trying to do the questions too.

# Maths Genie – GCSE Revision

- [www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)

*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<br>Exam Questions | Ratio Fraction Problems<br>Ratio Problems 2 | Solutions<br>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 |

1  Jesy invests £8000 for $n$ years in a savings account.

To find the value, V, of her investment after $n$ years she uses the formula:

$$V = 8000 \times (1.025)^n$$

(a)  Write down the annual rate of interest Jesy earns.

(b) Find the **total amount of interest** Jesy earns in three years.

**(Total for question 1 is 3 marks)**

2  Perrie invests £25000 for 3 years in a savings account.
She gets 2.7% per annum compound interest.

Calculate **the total amount of interest** Perrie will get after 3 years.

**(Total for question 2 is 3 marks)**

3  Jade bought a house for £350 000.

In the first year the house price increased by 3%
In the second year the house price increased by 2%
In the third year the house price depreciated by 5%

Work out the value of the house at the end of 3 years.

**(Total for question 3 is 3 marks)**

4  Leigh-Anne invests £2500 for 4 years in a savings account.
She gets 3% per annum compound interest.

How much money does Leigh-Anne have at the end of 4 years.

**(Total for question 4 is 2 marks)**

5  Annie invests £9500 for 5 years in a savings account.
She gets 1.8% per annum compound interest.

How much money does Annie have at the end of 5 years.

**(Total for question 5 is 2 marks)**

6  Greg bought a new car for £18 000.
In the first year the value of the car depreciates by 30%.
In the second year and the third year the car depreciates by 14%

Work out the value of the car after three years.

**(Total for question 6 is 3 marks)**

7  Nick bought a new car.
Each year the car depreciates in value by 12%.

Work out the number of years it takes for the car to half in value.

**(Total for question 7 is 3 marks)**

8  Fearne invests £5600 in a savings account.
She gets 2% per annum compound interest.

After $n$ years, Fearne has £6061.62 in her account.
Work out the value of $n$.

**(Total for question 8 is 2 marks)**

| Grade 4 | Compound Interest and Depreciation | Grade 4 |

**1**   Jesy invests £8000 for $n$ years in a savings account.

To find the value, V, of her investment after $n$ years she uses the formula:

$$V = 8000 \times (1.025)^n$$

(a)  Write down the annual rate of interest Jesy earns.

............................................................

(1)

(b) Find the **total amount of interest** Jesy earns in three years.

£................................................................

(2)

**(Total for question 1 is 3 marks)**

**2**   Perrie invests £25000 for 3 years in a savings account.
She gets 2.7% per annum compound interest.

Calculate **the total amount of interest** Perrie will get after 3 years.

# Maths Genie - GCSE Papers

# Mark Scheme

| Question | Answer | Mark | Mark scheme | Additional guidance |
|---|---|---|---|---|
| 1 | 3 | B1 | cao | |
| 2 | 73 | B1 | cao | |
| 3 | 80 | B1 | cao | |
| 4 | 23 or 29 | B1 | for 23 or 29 | Do not award if any other numbers are included, but award if both 23 and 29 are shown. |
| 5 | 11 | B1 | cao | |
| 6 | 3000 | P1 | for a correct step for travel or/and spending money<br>eg 4 × 150 (=600) or 4 × 250 (=1000) or 150 + 250 (=400) | Can be embedded eg 4×7×150 |
| | | P1 | for an appropriate step with the hotel price<br>eg 7× 50 (=350) or 4 × 50 (=200) | Can be 4×7×50 |
| | | P1 | for combining at least two "costs" for 4 people for 7 nights<br>eg 4 × 150 + 4 × 250 (=1600) or 4 × 150 + 7 × 4 × 50 (=2000) | Must be correct process for two costs<br>eg not 4 × 150 ×7 but may be 2 correct costs and one incorrect |
| | | A1 | cao | |

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# Answers

**Answer ALL questions.**

**Write your answers in the spaces provided.**

**You must write down all the stages in your working.**

1   Write 180 minutes in hours.

$$\frac{180}{60} = 3$$

..................3.................. hours

*(Total for Question 1 is 1 mark)*

2   Write 0.73 as a percentage.

$$0.73 \times 100$$

..................73.................. %

*(Total for Question 2 is 1 mark)*

3   Work out $10 \times (3 + 5)$

$$10 \times 8$$

..................80..................

*(Total for Question 3 is 1 mark)*

# JustMaths

- [www.justmaths.co.uk](http://www.justmaths.co.uk)

  Username:HermitageStudent

  Please ask your maths teacher
  if you do not know the
  password already.

# JustMaths

## Crossover

Once you have logged in, you will find a whole of host of support for the 9-1 Mathematics GCSE, focusing on the crossover topics for both higher and foundation tiers. Not part of the JustMaths family? *Click here to find out how to join!*

- If you are a student, you will be able to print out the worksheets to work on alongside watching the tutorials.  You will also find the worksheet solutions.
- If you are a teacher, you will also find the tutorials, worksheets, and worksheet solutions along with exam papers by topics, again with solutions and a comprehensive set of fabulous lesson resources and don't forget to check out the "extras" in the teacher toolkit where you will find a host of other useful stuff too.

We suggest that the topics are followed in the order ... simple, now get started!
Christian, Mel and Fize

Latest from the JustMaths Team:

> 14th Feb 22 – NEW .. Take 5 UPDATED
January 4, 2022

Paper 1– Fri 20th May a.m.
Paper 2–Tues 7th June a.m.
Paper 3–Mon 13th June a.m.

**Countdown till Paper 1**

**93 : 13 : 12 : 51**
Days  Hrs  Mins  Secs

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# Lessons

We like to keep things simple so all you have to do is print out the worksheets (link under the video) to work on alongside watching the main videos or if you're looking for a quick reminder watch the "quick hint" videos. We suggest that the topics are followed in this order … simple, now get started!

| | | | | | |
|---|---|---|---|---|---|
| 01 Two-Way Tables | 02 Frequency Trees | 03 Rounding & Error Intervals | 04 Estimation | 05 Use of Calculator | 06 Product of Prime Factors |
| 07 HCF & LCM | 08 Real Life Multiples | 09 Fractions 1 | 10 Fractions 2 | 11 Ratio 1 | 12 Ratio 2 |
| 13 Direct Proportion | 14 Proportion – Best Value | 15 Proportions – Recipes | 16 Proportion –Exchange Rates | 17 Inverse Proportion | 18 Percentages 1 |
| 19 Percentages 2 | 20 Interest & Growth | 21 Depreciation & Decay | 22 Reverse Percentages | 23 Index Laws | 24 Expand & Simplify |
| 25 Sequences | 26 Inequalities | 27 Solving Equations | 28 Forming & Solving 1 | 29 Forming & Solving 2 | 30 Factorising 1 |

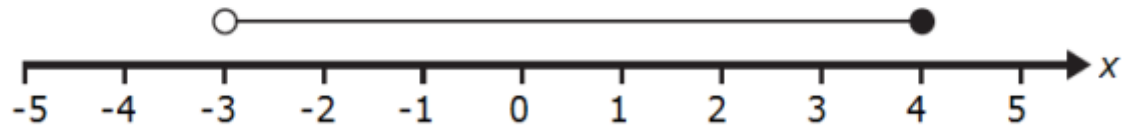HERMITAGE ACADEMY

# 26 Inequalities

JustMaths

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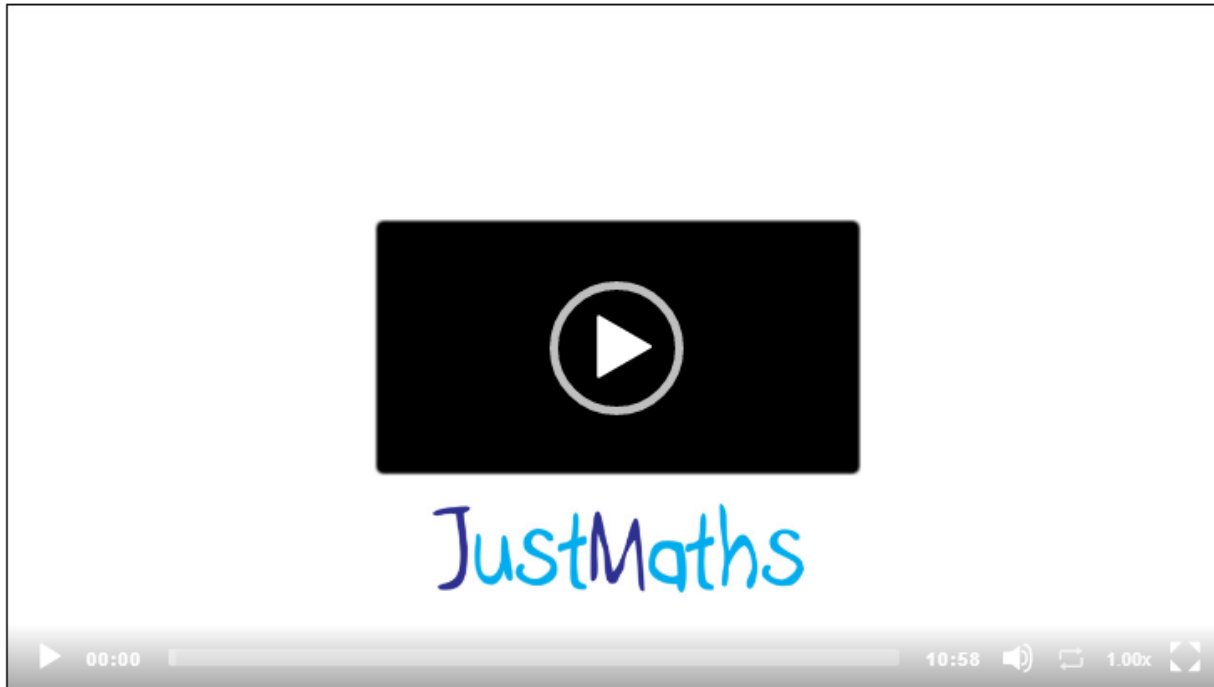
a) On the number line, show the inequality -2 < $y$ < 3
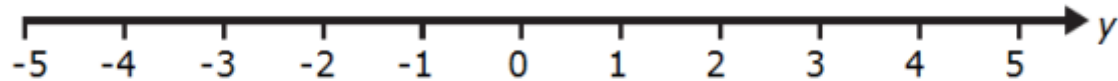


b) Here is an inequality, in $x$, shown on a number line:



Write down the inequality.

# R.A.G.

| | | |
|---|---|---|
| 19 | 4 | **3** |
| 20 | 4 | **2** |
| 21 | 3 | **3** |
| 22 | 5 | **2** |
| 23 | 5 | **2** |
| | 80 | 61 |

Your Total Marks

Name: Enter Name

Email: Enter Email

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☑ Exclude Full Mark Questions

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# JustMaths

| Q | Topic | Full Mark | Your Score | Video Support |
|---|-------|-----------|------------|---------------|
| 1 | Product of prime factors | 2 | 2 | Ede-Autumn2017-H1-1 |
| 2 | Forming and solving equations | 4 | 4 | Ede-Autumn2017-H1-2 |
| 3 | Angles facts | 4 | 4 | Ede-Autumn2017-H1-3 |
| 4 | Area of a circle | 4 | 4 | Ede-Autumn2017-H1-4 |
| 5 | Estimate of the mean | 4 | 4 | Ede-Autumn2017-H1-5 |
| 6 | Forming and solving equations | 4 | 4 | Ede-Autumn2017-H1-6 |
| 7 | Quadratic Graphs | 1 | 0 | Ede-Autumn2017-H1-7 |
| 8 | Recuriing decimals | 2 | 1 | Ede-Autumn2017-H1-8 |
| 9 | Speed / Distance /Time | 5 | 5 | Ede-Autumn2017-H1-9 |
| 10a | Fractional indices | 1 | 1 | Ede-Autumn2017-H1-10a |
| 10b | Fractional indices | 2 | 2 | Ede-Autumn2017-H1-10b |
| 11 | Simultaneous Equations | 4 | 4 | Ede-Autumn2017-H1-11 |
| 12 | Draw and interpret box plots | 5 | 5 | Ede-Autumn2017-H1-12 |
| 13 | Proportional Reasoning | 4 | 4 | Ede-Autumn2017-H1-13 |
| 14 | Ratio / Algebraic manipulation | 3 | 3 | Ede-Autumn2017-H1-14 |
| 15 | Recurring decimals | 3 | 1 | Ede-Autumn2017-H1-15 |
| 16 | Direct proportion | 3 | 1 | Ede-Autumn2017-H1-16 |
| 17 | Algebraiic Proof | 2 | 0 | Ede-Autumn2017-H1-17 |
| 18 | Fractional / negative enlargements | 2 | 0 | Ede-Autumn2017-H1-18 |
| 19 | Perpendicular lines / y - mx + c | 4 | 3 | Ede-Autumn2017-H1-19 |
| 20 | Exact values of trigonometry | 4 | 2 | Ede-Autumn2017-H1-20 |
| 21 | Surds (Rationalising) | 3 | 3 | Ede-Autumn2017-H1-21 |
| 22 | Similarity | 5 | 2 | Ede-Autumn2017-H1-22 |
| 23 | Forming and solving quadratic inequalities | 5 | 2 | Ede-Autumn2017-H1-23 |
| | **TOTAL** | 80 | 61 | |

**KS4 Edexcel Autumn 2017 - Alternative Paper Higher Paper 1**

**Name: Joanne Wood**

You will note that your scores have been colour coded.

In the first instance, we suggest that you focus on those questions where you gained some marks. After this, focus on the questions where you have no knowledge i.e. the red questions.
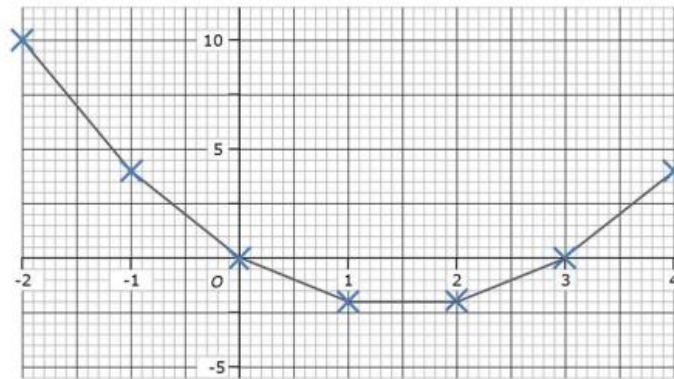
If you opted to include all questions, you willl also find additional practice questions for topics that you got correct these are

**7.** Brogan needs to draw the graph of $y = x^2 - 3x$

Here is her graph.



Write down one thing that is wrong with Brogan's graph.

(1)

**8.** Write these numbers in order of size.
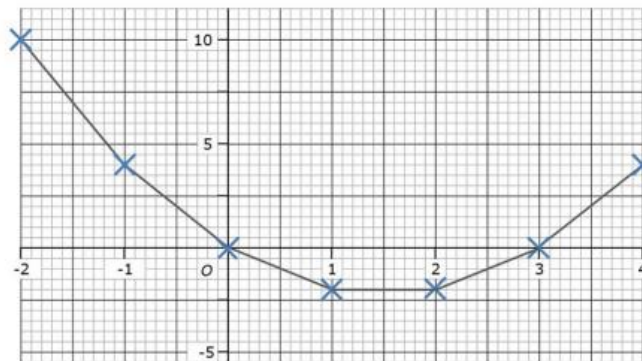Start with the smallest number.

$0.52\dot{4}$ $0.5\dot{2}\dot{4}$ $0.\dot{5}2\dot{4}$ $0.524$

6 **This was a question you got correct.**

**7.** Brogan needs to draw the graph of $y = x^2 - 3x$

Here is her graph.



Write down one thing that is wrong with Brogan's graph.

The points should be joined with a curve and not straight lines.

(1)

**8.** Write these numbers in order of size.
Start with the smallest number.

$0.52\dot{4}$          $0.5\dot{2}\dot{4}$          $0.\dot{5}2\dot{4}$          $0.524$

3              2              4              1

$0.524$        $0.5\overset{\bullet\bullet}{24}$        $0.52\dot{\overset{\bullet}{4}}$        $0.\dot{5}2\dot{4}$

0.52444...
0.524242..
0.524524...
0.524000

(2)

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# 5-a-day GCSE 9-1

Numeracy 5aday – broadly designed for students aiming for Grades 1, 2 and 3.

Foundation – broadly designed for students aiming for Grades 3 and 4.

Foundation Plus – broadly designed for students aiming for Grades 4, 5 and 6.

Higher – broadly designed for students aiming for Grades 6 and 7.

Higher Plus – broadly designed for students aiming for Grades 8 and 9.

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# FEBRUARY ANSWERS – CLICK HERE

11th February    Numeracy    Foundation    Foundation Plus    Higher    Higher Plus

12th February    Numeracy    Foundation    Foundation Plus    Higher    Higher Plus

13th February    Numeracy    Foundation    Foundation Plus    Higher    Higher Plus

14th February    Numeracy    Foundation    Foundation Plus    Higher    Higher Plus

15th February    Numeracy    Foundation    Foundation Plus    Higher    Higher Plus

16th February    Numeracy    Foundation    Foundation Plus    Higher    Higher Plus

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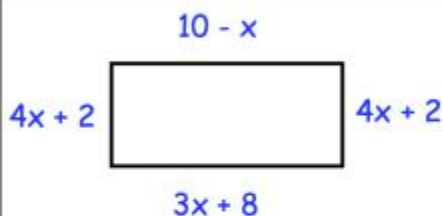
Solve

$5(x - 1) = 4(x + 2) + 2(x - 7)$

Simplify

$$\frac{s^3 \times s^4}{s^2}$$



5cm

Shown is a sphere with a radius of 5cm.
Calculate the volume of the sphere.
Give your answer to 1 decimal place.

Here is a rectangle
All measurements are in centimetres.



10 - x

4x + 2                4x + 2

3x + 8

Work out the value of x

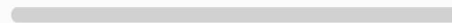Find the area of the rectangle

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Level 3 ⌄

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÷ +
× −

### Algebra

$x^2$

### Ratio and Proportion

### Geometry

▶ Area and perimeter

▶ Line and shape properties

▶ Angles

▶ Trigonometry

▶ Similarity and congruence

▶ Circles

▶ Circle theorems

▶ Pythagoras' theorem

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