



Making the Grade Evening

Mathematics



Key Facts: AQA Mathematics



- 100% Examination at the end of the course;
- Three written papers:
- Tiered papers
 - Higher Tier grades 4 – 9 available;
 - Foundation Tier grades 1 - 5 available;
- 1 hour 30 minutes
- 80 marks on each paper

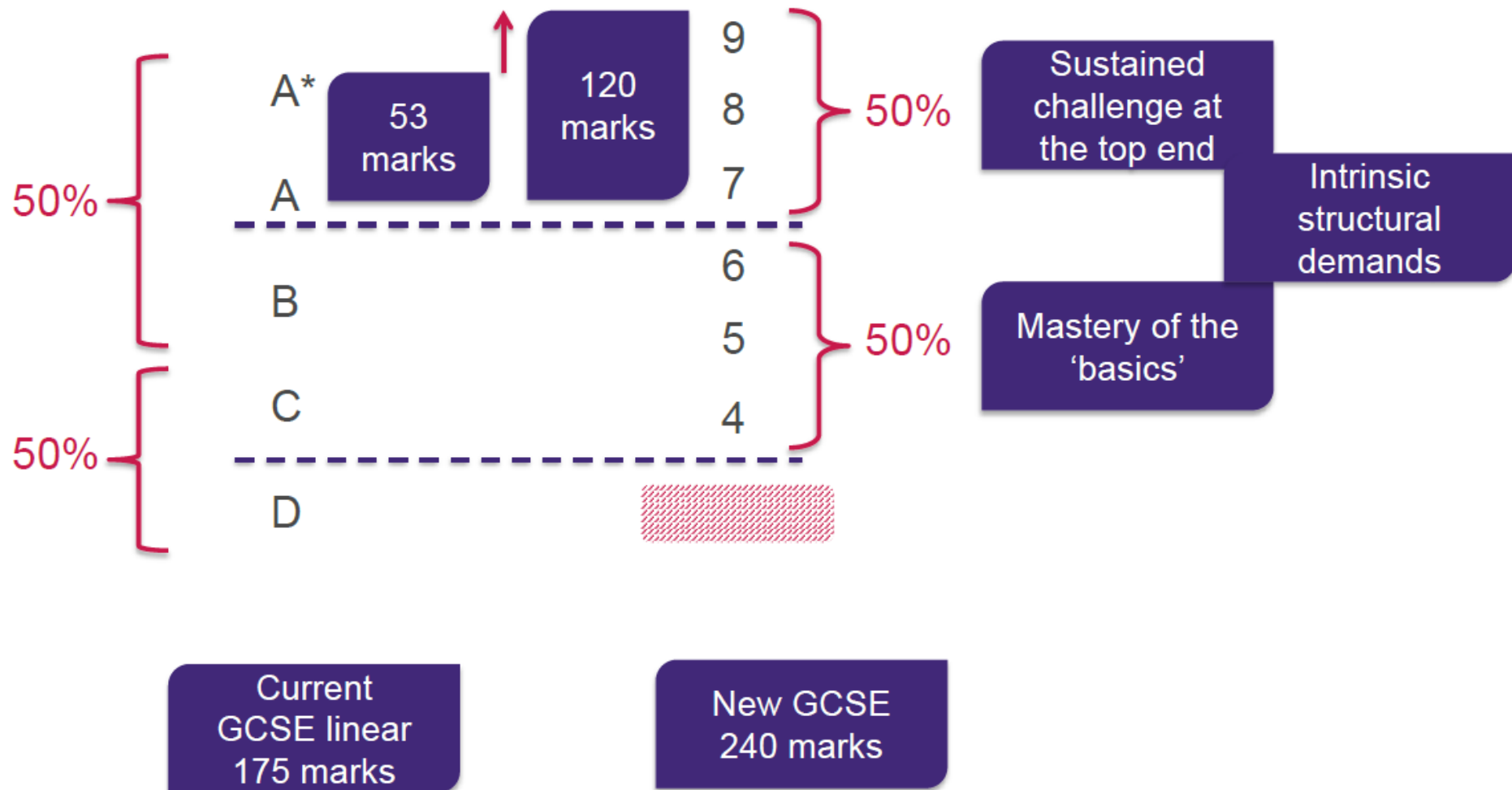


AQA Specification at a glance

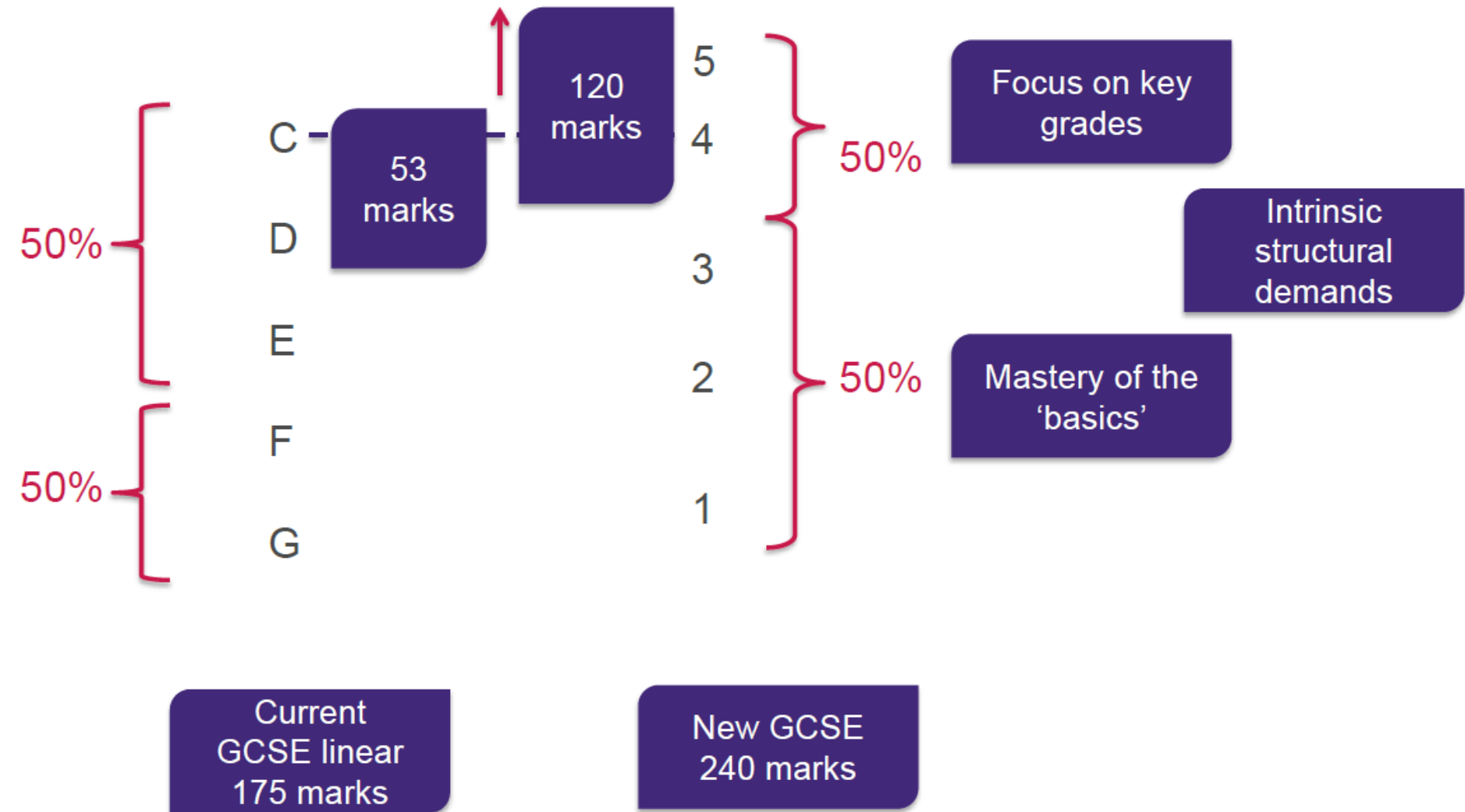
Paper 1: non-calculator		Paper 2: calculator		Paper 3: calculator
Content <ul style="list-style-type: none"> Content from any part of the specification may be assessed 	+	Content <ul style="list-style-type: none"> Content from any part of the specification may be assessed 	+	Content <ul style="list-style-type: none"> Content from any part of the specification may be assessed
Assessment <ul style="list-style-type: none"> 1 hour 30 minutes written exam 80 marks $33\frac{1}{3}$ of GCSE 		Assessment <ul style="list-style-type: none"> 1 hour 30 minutes written exam 80 marks $33\frac{1}{3}$ of GCSE 		Assessment <ul style="list-style-type: none"> 1 hour 30 minutes written exam 80 marks $33\frac{1}{3}$ of GCSE

- Students will be required to answer all questions on all papers
- The assessment structure will be the same for both foundation and higher tiers

Higher tier structure

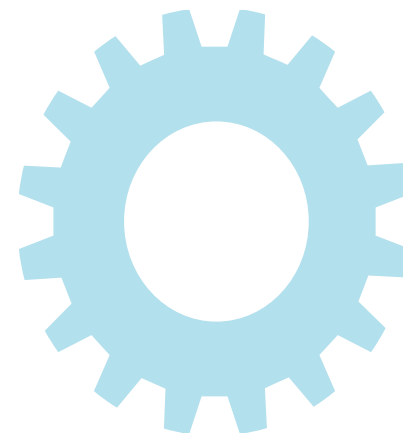


Foundation tier structure





IMPORTANT DATES



Key Dates – Practice Mocks



Year 11 Mock Examinations PPE (1)

Wednesday 16th October 2024 – Paper 1;

Tuesday 22nd October 2024 – Paper 2;

Year 11 Mock Examinations PPE (2)

Week beginning Monday 27th January 2025;

Papers 1, 2 & 3 – dates TBC

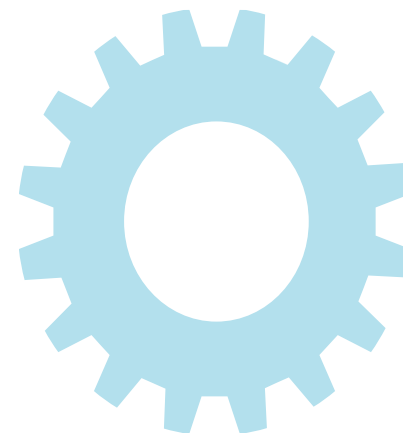


Provisional Examination Dates

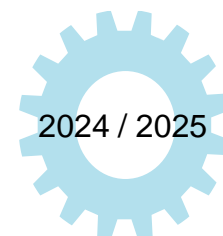


- GCSE Mathematics Paper 1 (Higher and Foundation Tier)
Thursday 15th May 2025;
- GCSE Mathematics Paper 2 (Higher and Foundation Tier)
Wednesday 4th June 2025;
- GCSE Mathematics Paper 3 (Higher and Foundation Tier)
Wednesday 11th June 2025;





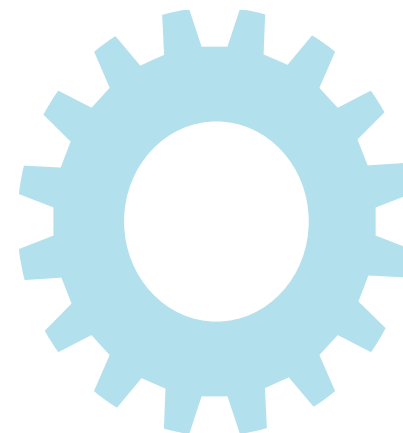
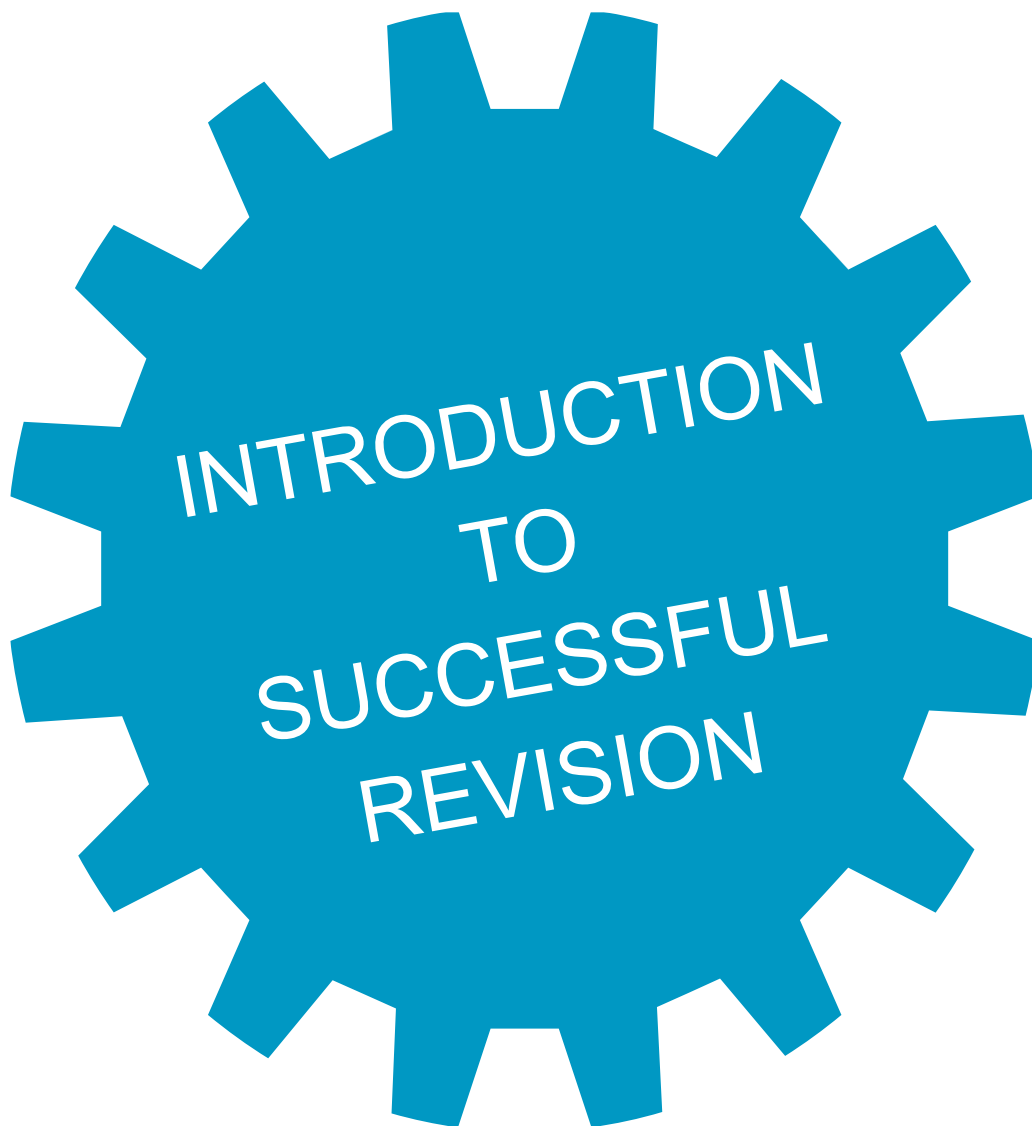
EXPECTATIONS



Equipment

- Scientific Calculator
- Black pen
- Pencil
- Sharpener
- Rubber
- Ruler
- Protractor
- Pair of compasses





REVISION EXPECTATIONS



Managing Yourself!



Home Learning - Sparx



How you can Help!

<https://hegartymaths.com>



Collecting like terms 1

Example

Simplify the following expression

$$2x + 5y + z - 7x + 1y -$$

$$\equiv -5x + 6y - 2z$$

NOTE: $6y - 5x - 2z$

The screenshot shows the hegartymaths.com website. At the top, there's a navigation bar with 'Progress' and 'Set work' buttons. Below it, a breadcrumb trail reads 'Algebra > Manipulating expressions > 156 - Collecting like terms 1 >'. A progress bar shows five steps, with the first four completed. The main content area is titled '5 of 12' and contains the instruction 'Collect like terms' with the expression $7x - 2x$ and an input field. On the right, a 'Strands' sidebar lists various math topics: Number (Skills 1-150, 743-772, 774-777), Algebra (Skills 151-327, 778-811), Ratio, proportion & rates of change (Skills 328-348, 739-742, 864-871), Geometry & measure (Skills 455-461, 477-565, 567-606, 608-669, 674-738, 812-863), Probability & sets (Skills 349-391, 670-673), and Statistics (Skills 392-454). At the bottom, a virtual calculator is visible with buttons for numbers, operations, and mathematical constants.

How you can Help!

<http://www.bbc.co.uk/education/subjects/z6pfb9q>



A screenshot of the BBC Bitesize website. The top navigation bar includes the BBC logo, a 'Sign in' button, and links for News, Sport, Weather, iPlayer, TV, Radio, and a 'More' dropdown. A search bar is on the right. Below the navigation bar, the 'Bitesize' logo is prominent. A secondary navigation bar shows 'Primary' and 'Secondary' tabs, with 'Secondary' selected. Below this, a row of subject links includes '3rd level', '4th level', 'CA3', 'KS3', 'GCSE' (which is highlighted), 'National 4', 'National 5', 'Nàiseanta 4', 'Nàiseanta 5', 'TGAU', and 'Higher'. An orange banner below the navigation bar reads 'Home / GCSE Maths (pre-2015)'. Underneath, a 'Topics' section is visible, with 'Algebra' highlighted in a dark blue box. To the right of 'Algebra', a list of topics is shown: 'Expressions and formulae', 'Equations', and 'Graphs'.



How you can Help!



You Tube GB



Upload

Expand & simplify 2 Single Brackets

Ex1 $2(x+3) + 3(x+5)$
 $2x + 6 + 3x + 15 = 5x + 21 \checkmark$

Ex2 $3(2x+4) + 2(4x+1)$
 $6x + 12 + 8x + 2 = 14x + 14$

Ex3 $3(2x-4) + 2(4x+1)$
 $6x - 12 + 8x + 2 = 14x - 10$

Ex4 $5(2x+4) + 2(x-3)$
 $10x + 20 + 2x - 6 = 12x + 14$

Ex5 $5(2x+4) - 2(x-3)$

GCSE Revision Video 4 - Expanding 2 single brackets



HEGARTYMATHS

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Published on 20 Jan 2014

GCSE Revision Video 4 - Expanding 2 single brackets

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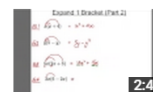


GCSE Revision Video 5 - Expand double brackets

by HEGARTYMATHS
9,706 views



GCSE Quick Revision List
by HEGARTYMATHS



GCSE Revision Video 3 - Expanding 1 Bracket (2)

by HEGARTYMATHS
9,248 views



Panasonic CZ950 4K OLED TV - first look
by What Hi-Fi?

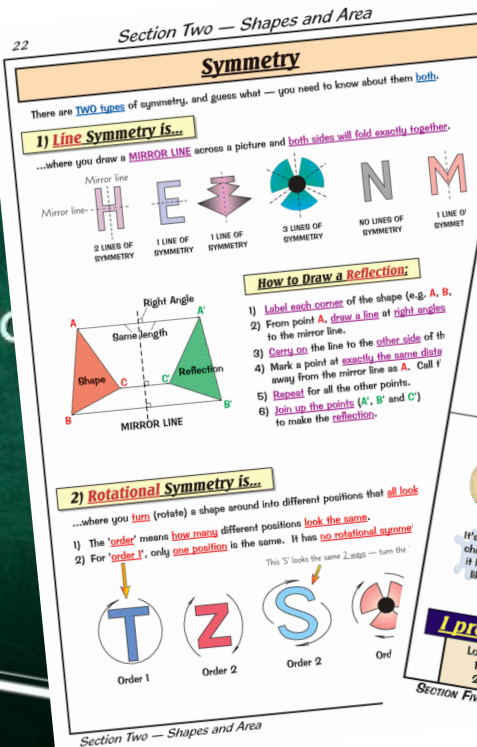
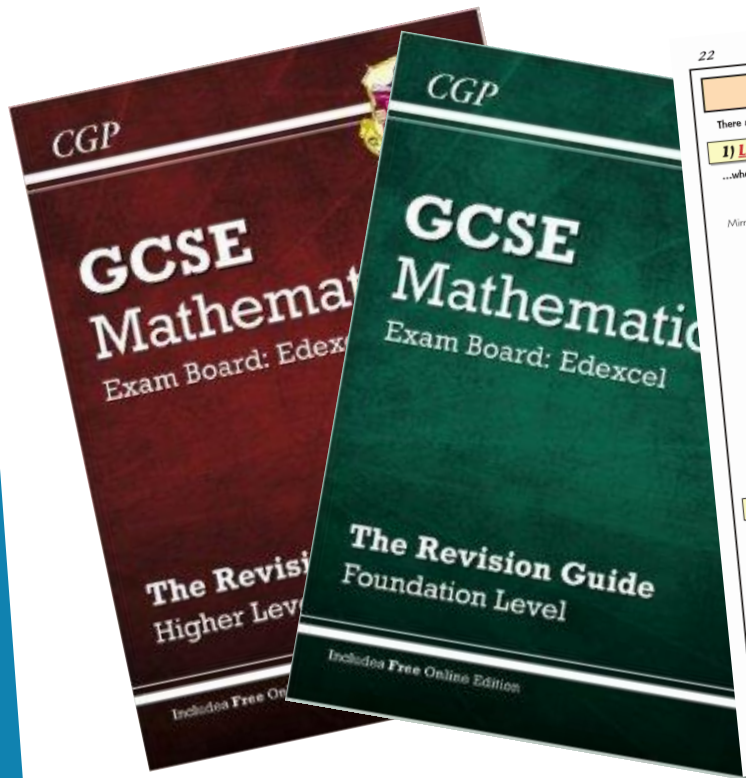
Recommended for you



Revision Guides



- Students need to purchase a revision guide from school finance office to support learning;



Mathematics Revision



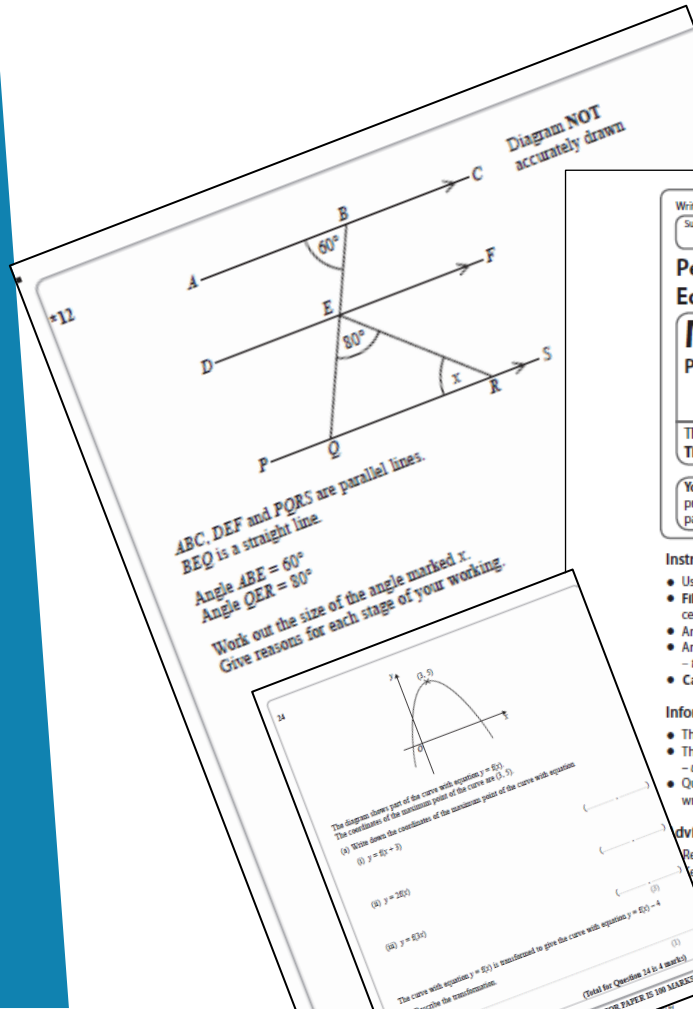
- Do not let your child just read and claim it as revision.
- Maths revision should include completing LOTS of questions.
- Practice / Practice / Practice
- Any Questions

Up for the



Past Papers

- Practice questions;



Write your name here
Surname Other names

Pearson
Edexcel GCSE
Mathematics A
Paper 1 (Non-Calculator)

Centre Number Candidate Number

Foundation Tier

Thursday 4 June 2015 – Morning
Time: 1 hour 45 minutes

Paper Reference
1MA0/1F

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.

Total Marks

Instructions

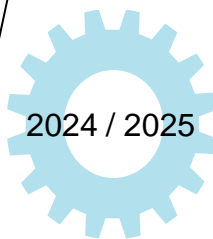
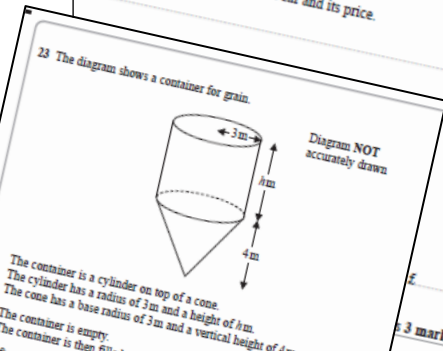
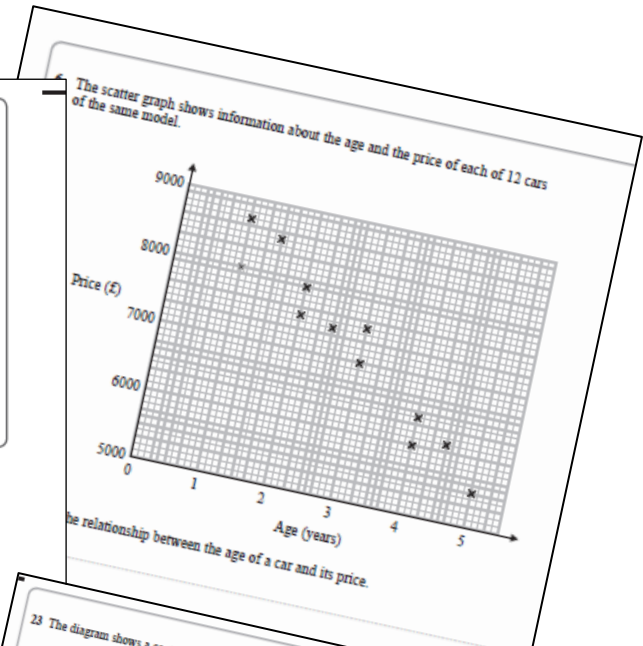
- Use **black** ink or ball-point pen.
- Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- Calculators must not be used.**

Information

- The total mark for this paper is 100
- The marks for **each** question are shown in brackets – use this as a guide as to how much time to spend on each question.
- Questions labelled with an **asterisk (*)** are ones where the quality of your written communication will be assessed.

Advice

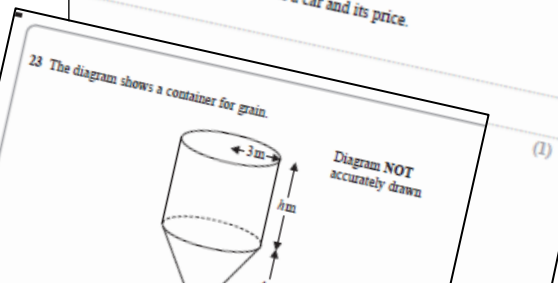
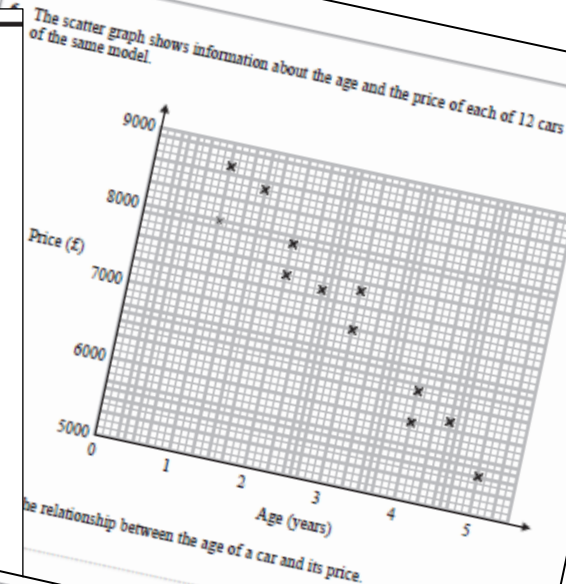
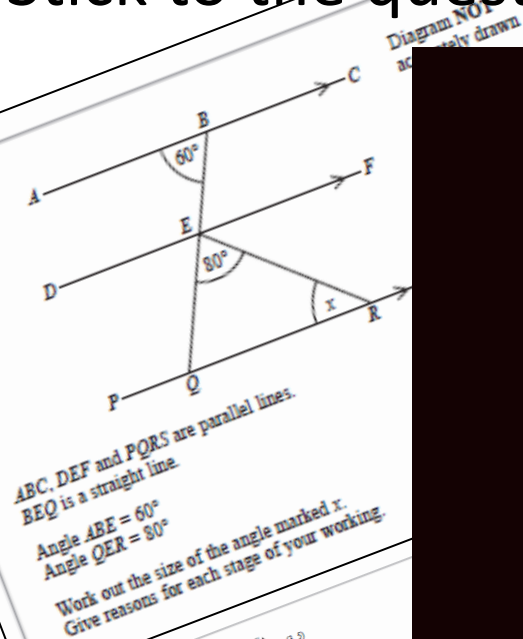
Read each question carefully before you start to answer it.
Keep an eye on the time.
Try to answer every question.
Check your answers if you have time at the end.



Past Papers



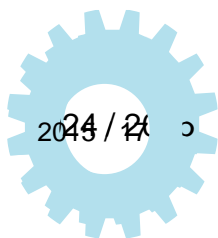
- Read the question;
- Underline key words and phrases;
- Stick to the question;

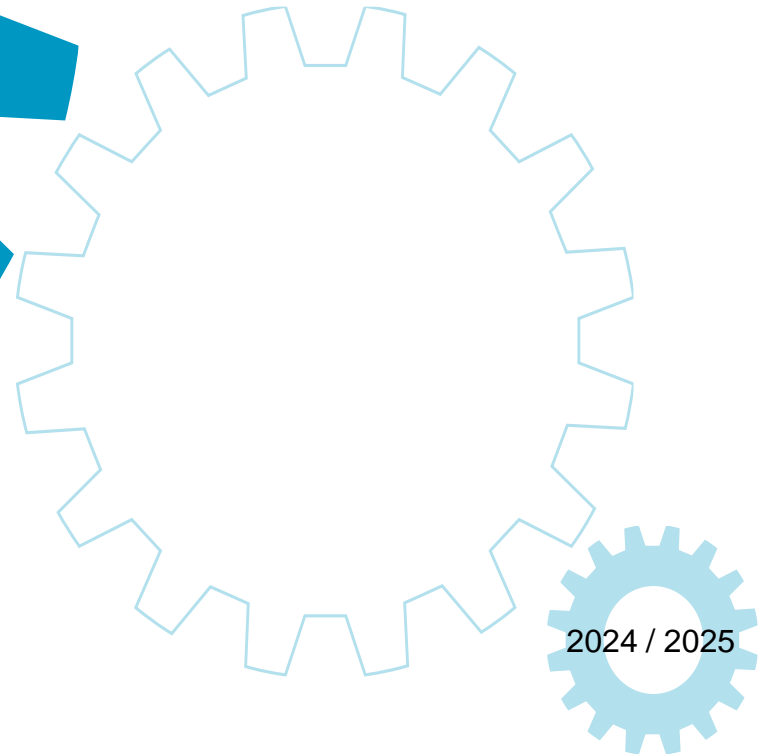


We all make mistakes!



It's what we learn from them !





Revision Timetable



- Spend time producing a revision timetable;

12	13	14	15	16	17	18
9:00am - 10:00am Economics [New]	11:00am - 12:00pm Psychology A [New]	9:00am - 10:00am test paper 2 [New]	9:00am - 10:00am Accounting paper 1 [New]	11:00am - 12:00pm Economics [New]	11:00am - 12:00pm English [New]	9:00am - 10:00am Psychology A [New]
11:00am - 12:00pm Psychology A [New]	1:00pm - 2:00pm Economics [New]	1:00pm - 2:00pm Psychology A [New]	11:00am - 12:00pm Accounting paper 1 [New]	5:00pm - 6:00pm Psychology A [New]	3:00pm - 4:00pm Economics [New]	2:00pm - 3:00pm English [New]
1:00pm - 2:00pm English [New]	3:00pm - 4:00pm English [New]	3:00pm - 4:00pm English [New]	3:00pm - 4:00pm Psychology A			4:00pm - 5:00pm test paper 2 [New]
3:00pm - 4:00pm	5:00pm - 6:00pm	5:00pm - 6:00pm				

- Give yourself breaks;
- Practice timed examination questions;



How you can Help!



- In Mathematics, students are set **home learning every week**. This needs to be **completed regularly** and **on time**;
- It is expected that you will complete **4 home learning tasks** each half-term including **2 examination revision tasks**;
- The Mathematics department runs a **Maths Cafe** every day during lunchtimes in room 162 to **support students** with, Home Learning, mastering difficult key examination concepts, revision techniques and past papers;
- The Mathematics department runs a **revision class** after college on a Tuesday 3:30 pm to 4:30 pm in all Mathematics rooms;



What / Where does Maths get you?



- A **grade 5** or above opens up doors:
 - Needed for most level 3 courses
 - A lot of employers won't look at your application form without it.
 - A **grade 5** (or above) in English and Mathematics is a mandatory requirement for entry to Kennicott and most other colleges.
- A good grade in Maths will add an average of **£2500 to your wages.**



YOU CAN HAVE

RESULTS

- OR -

EXCUSES

NOT BOTH.