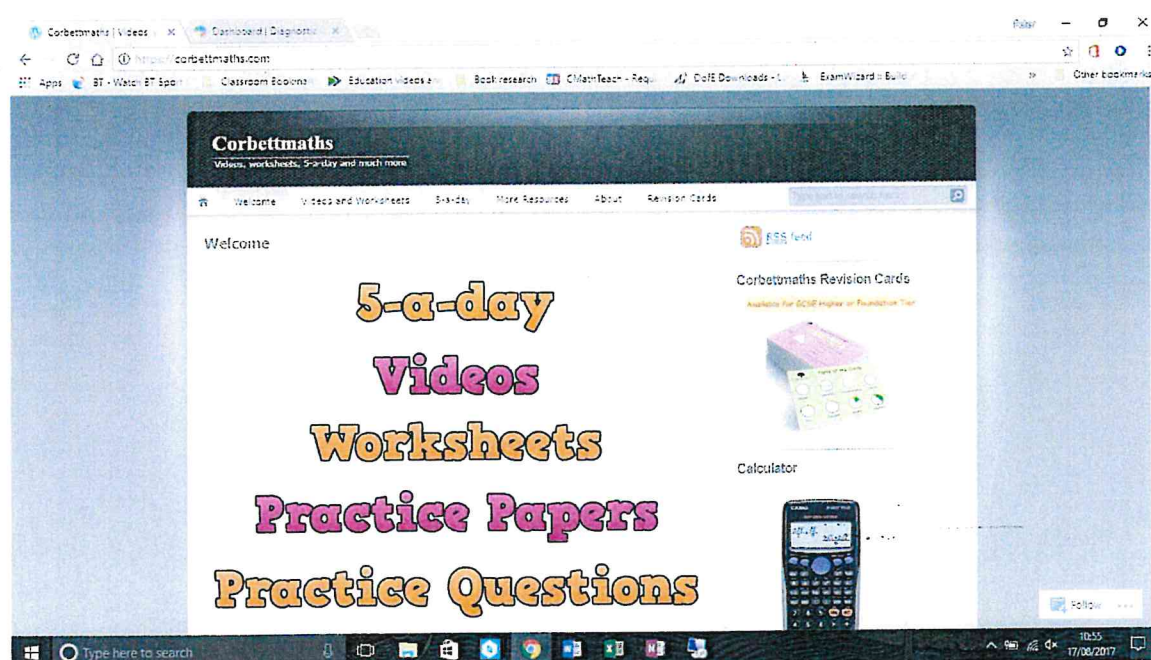


Supporting your child with GCSE Maths

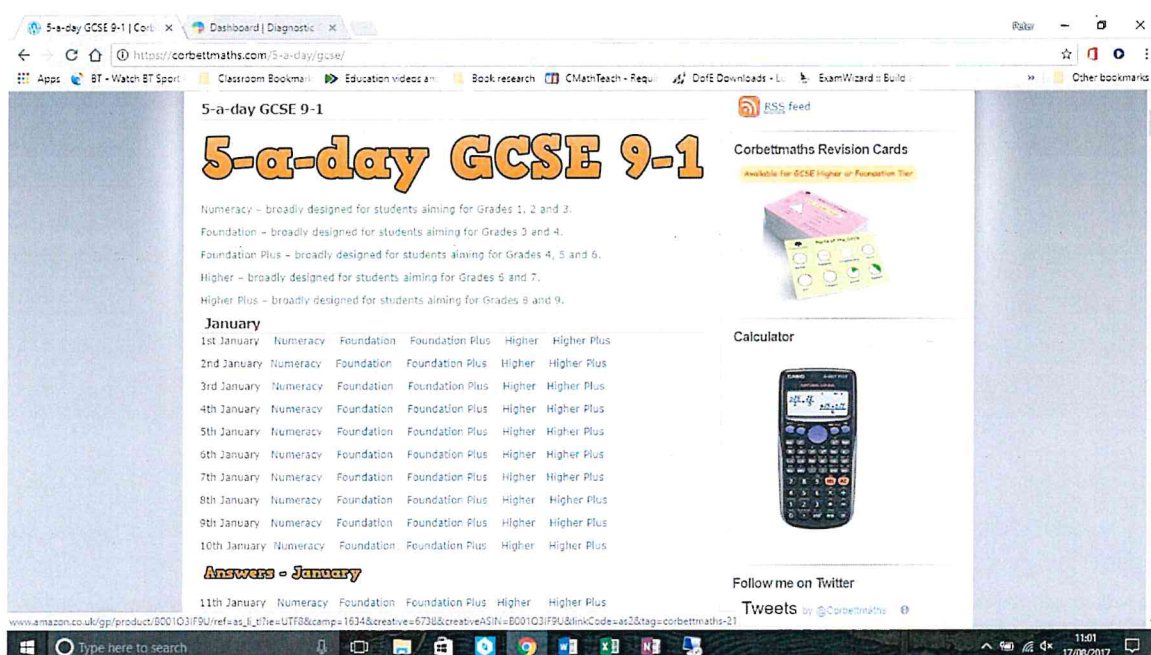
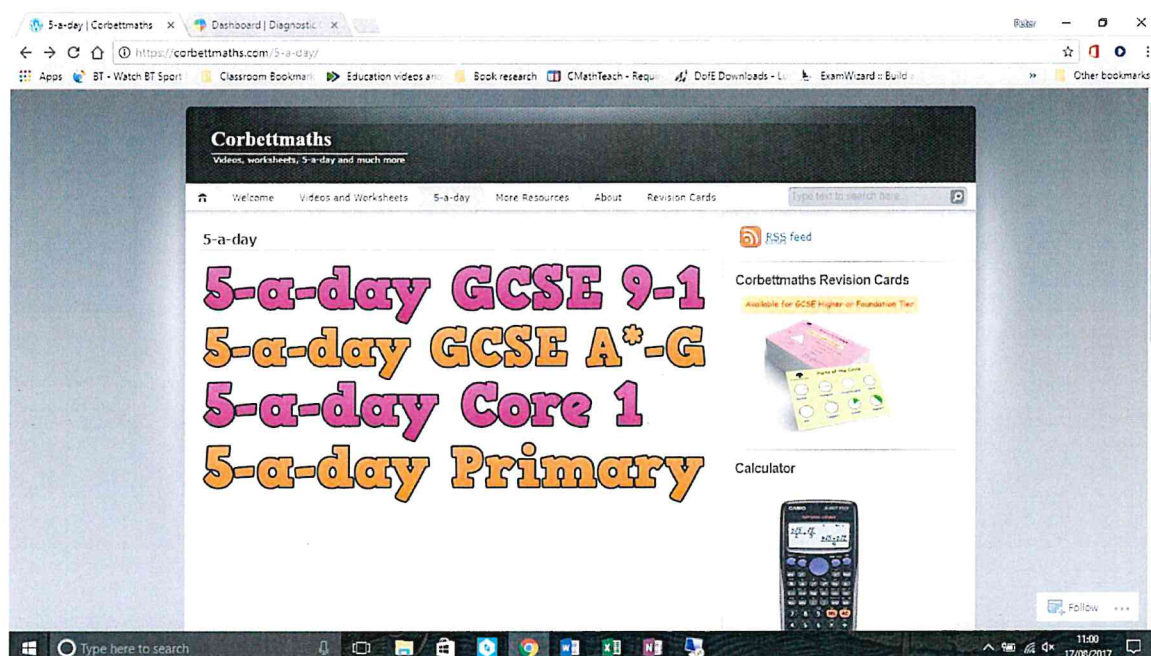


Dear Parent/Carer, Studying for GCSE Maths is demanding for many pupils. Lots of hard work both in and out of school is required for pupils to be successful and for some pupils managing this and knowing where they can access support can be challenging enough even before they actually do the work. This guide is designed to allow you to know some of the support avenues that are available so that you can assist your child in managing their out of school work and revision over the GCSE years.

Corbett Maths (<https://corbettmaths.com/>) – Corbett Maths is a free site that your child can access that provides a great deal of supporting material and question practice. Teachers at Brockington use a lot of Corbett Maths worksheets and practice questions; they are particularly used a lot in our after-school and holiday revision sessions.



The key area that your child may find useful are the 5-a-day questions alongside the videos. Your child needs to be sure to select the 5-a-day GCSE 9-1 to ensure they are getting suitable questions.



Depending on the tier and set your child is working in, they will find different questions suitable.

The 5-a-day is designed to give pupils 5 questions for each day of the year to practice different areas of the maths GCSE. They come complete with answers by clicking on the answers link on the page.

December 1 x Dashboard | Diagnostic x

Secure | <https://corbettmaths.files.wordpress.com/2015/09/jan-1.pdf>

Apps BT - Watch BT Sport Classroom Bookmarks Education videos and Book research CMathteach - Requ DoFE Downloads - L ExamWizard - Build Other bookmarks

Name: _____ 5-a-day Foundation Plus

1st January

Solve the inequality $3x + 4 \leq 22$

A car decreases in value 10% a year.
If it was bought for £5000, how much will it be worth after 2 years?

6cm
4cm

Calculate the length of the missing side

Type here to search 11:03 17/08/2017

The answers are particularly beneficial as they are model answers that show the calculations required to arrive at the answers rather than just the answer itself.

5-a-day GCSE 9-1 | Corbett x jan-1-foundation-plus x Dashboard | Diagnostic x

Secure | <https://corbettmaths.files.wordpress.com/2016/10/jan-1-foundation-plus-answers.pdf>

Apps BT - Watch BT Sport Classroom Bookmarks Education videos and Book research CMathteach - Requ DoFE Downloads - L ExamWizard - Build Other bookmarks

Name: _____ 5-a-day Foundation Plus

1st January

Solve the inequality $3x + 4 \leq 22$

$3x \leq 18$
 $x \leq 6$

A car decreases in value 10% a year.
If it was bought for £5000, how much will it be worth after 2 years?

5000×0.9^2
£4050

6cm
4cm

Calculate the length of the missing side

$4^2 + 6^2 = x^2$
 $52 = x^2$
7.211cm
to 3 dp

Type here to search 11:06 17/08/2017

The videos, along with further practice questions and worksheets are designed to support your child with areas they may find difficult. Whilst not as well broken down as the videos from Hegarty Maths they can nonetheless be useful particularly as they are immediately accessible without logging in and also all listed on one page and so more easily searchable.

Videos and Worksheets

Videos and Worksheets

[Click here for answers](#)

Common marking codes for teachers [Marking codes](#)

2D shapes: names [Video 1](#) [Practice Questions](#) [Textbook Exercise](#)

2D shapes: quadrilaterals [Video 2](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: names [Video 3](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: nets [Video 4](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: vertices, edges, faces [Video 5](#) [Practice Questions](#) [Textbook Exercise](#)

Addition: column method [Video 6](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: changing the subject [Video 7](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: changing the subject advanced [Video 8](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: collecting like terms [Video 9](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: completing the square [Video 10](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: dividing terms [Video 11](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: equation of a circle [Video 12](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: expanding brackets [Video 13](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: expanding two brackets [Video 14](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: expanding three brackets [Video 15](#) [Practice Questions](#) [Textbook Exercise](#)

Algebra: expressions - forming [Video 16](#) [Practice Questions](#) [Textbook Exercise](#)

Corbettmaths Revision Cards
Available for GCSE Higher or Foundation Tier

Calculator

Follow me on Twitter
Tweets by @Corbettmaths

Videos and Worksheets

Names of 2D Shapes - Video 1

December 20, 2013 corbettmaths

Names of 2D Shapes

triangle quadrilateral pentagon hexagon heptagon

Corbettmaths Revision Cards
Available for GCSE Higher or Foundation Tier

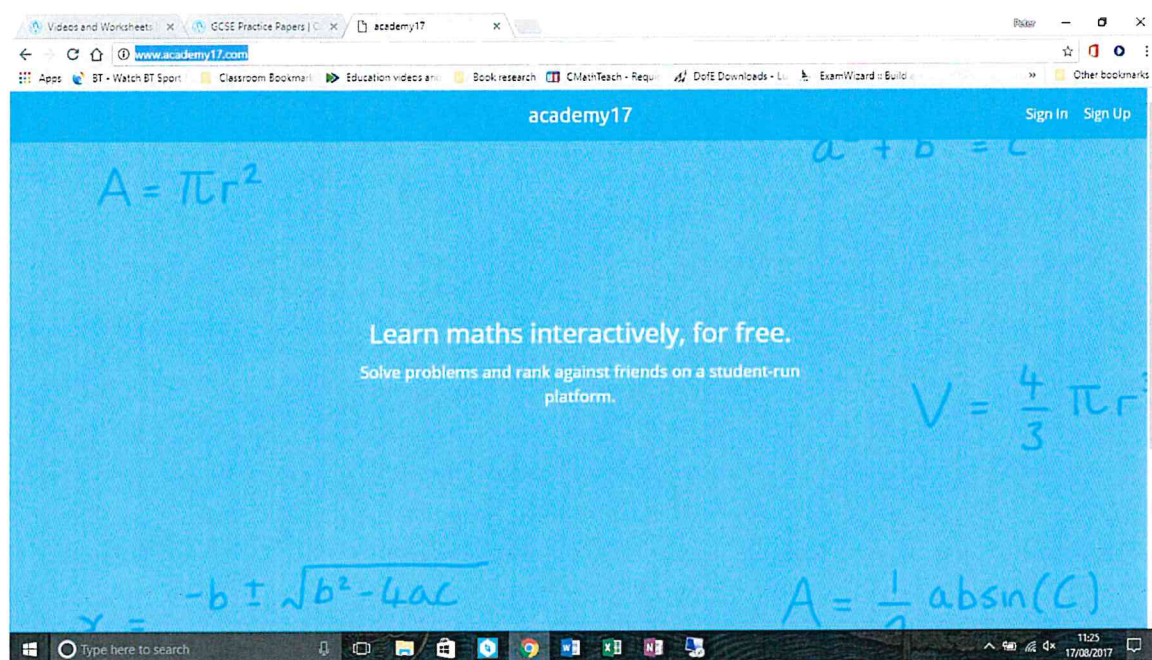
Calculator

Please note that the practice papers listed on the site are currently still papers for the older legacy GCSE rather than the current 9-1 GCSE, although I understand there are plans to update this at some point.

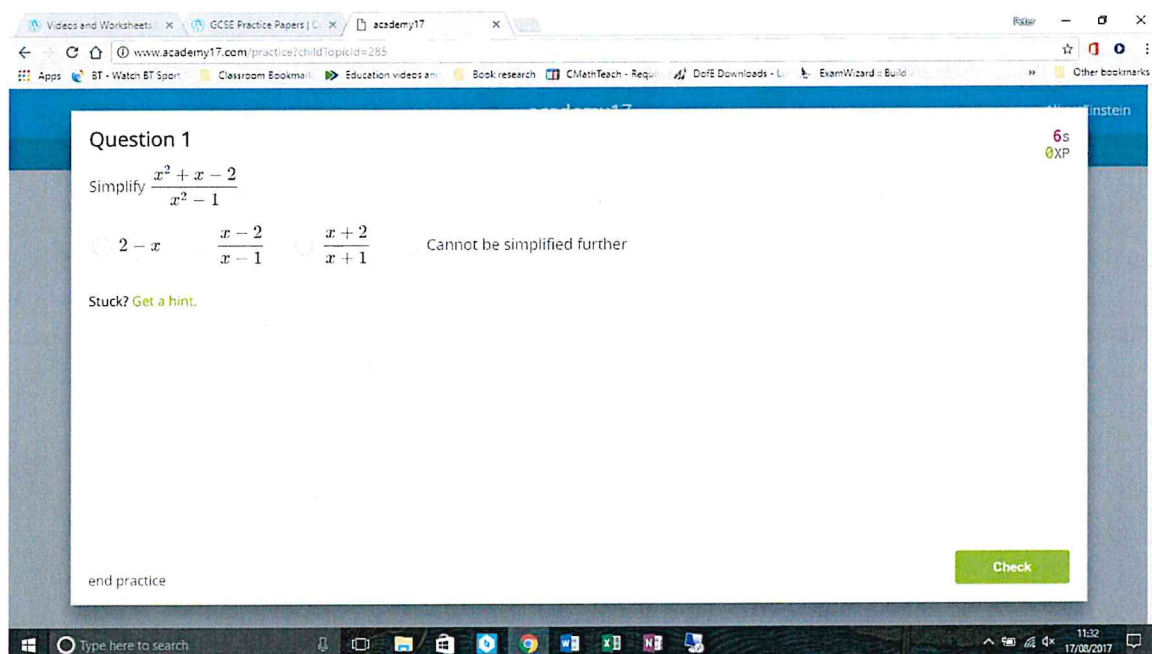
Corbett Maths will also produce practice papers available for pupils once the first paper has been sat, i.e. they will analyse the first paper of the GCSE and produce a paper that will practice the outstanding topics. Similarly once two papers have been sat they will produce a practice paper geared towards topics that are more likely to appear on the final GCSE paper. These final practice papers will be invaluable to support Year 11 pupils revision once exams have started.

Corbett Maths also make revision cards available for purchase. These are very high quality and well worth purchasing for your child to support their GCSE.

academy17 (<http://www.academy17.com/>) – Academy 17 is a new site that has been designed by university students to support pupils in working on GCSE Maths.



As the site is not written by teachers or people experienced in the classroom (as the other sites all are) caution must be exercised in its use. In particular the question style may not reflect the full range of practice that might be required for the GCSE. However as extra practice questions in a range of skills the site could be useful.



The questions are all timed and multiple choice, with pupils earning 'XP' (a popular gaming concept) and then ranked against other users.

Whilst there are no video supporting materials, the site does provide hints to help pupils who may be struggling with particular questions.

Question 1

Simplify $\frac{x^2 + x - 2}{x^2 - 1}$

☐ $2 - x$
☐ $\frac{x - 2}{x - 1}$
☐ $\frac{x + 2}{x + 1}$
☐ Cannot be simplified further

Hint:
Factorise the expressions in the numerator and denominator, then cancel like terms. Note that $x^2 - 1$ is a difference of two squares.

end practice Check

214s
0XP

Your child will need to sign themselves up to use the site – we would suggest they use their school email address rather than a personal one as this will mean that your child will stop receiving emails from the site once they leave school.

Sign Up

Username

Email

Password

Confirm password

[Sign in](#) | [Forgot Password?](#)

Workbook and Printed materials Support

There are now a number of revision guides available for use with the 9-1 Maths GCSE. Whilst most of these will be suitable, the one we recommend is produced by CGP.



Grade 9-1 GCSEs ...covered!

Brilliant new CGP books for
all the latest GCSE courses

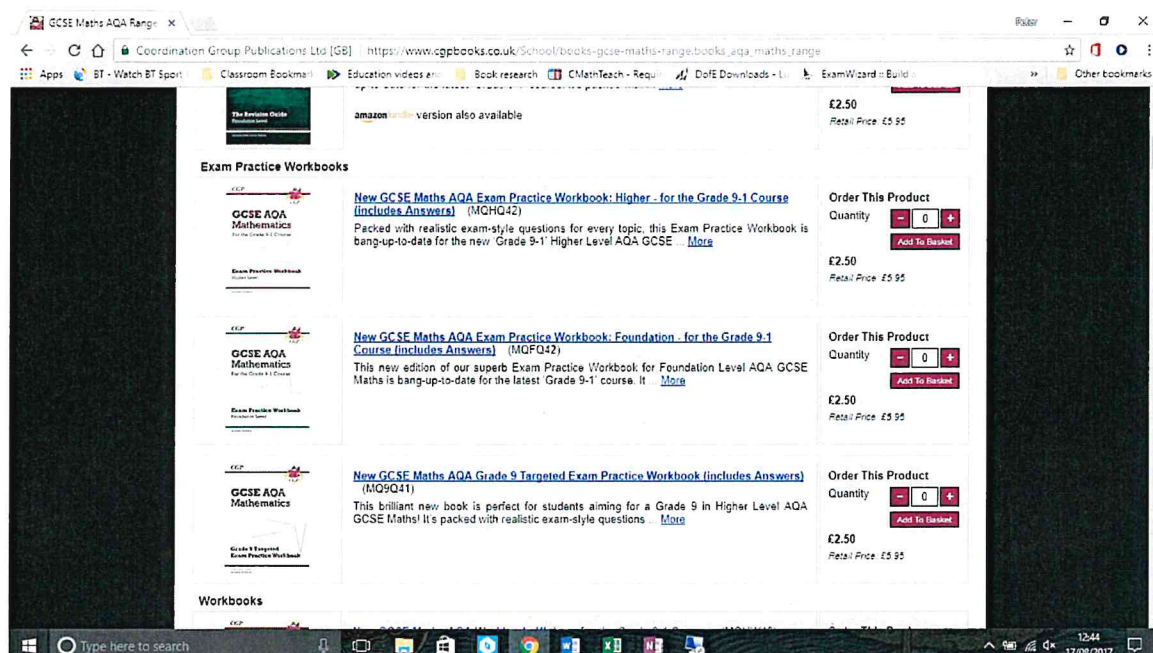
• • • •

CGP offer three particularly useful books at both Higher and Foundation tier, with a further book for those pupils on the Higher tier that are working towards the very top grades of 8 and 9.

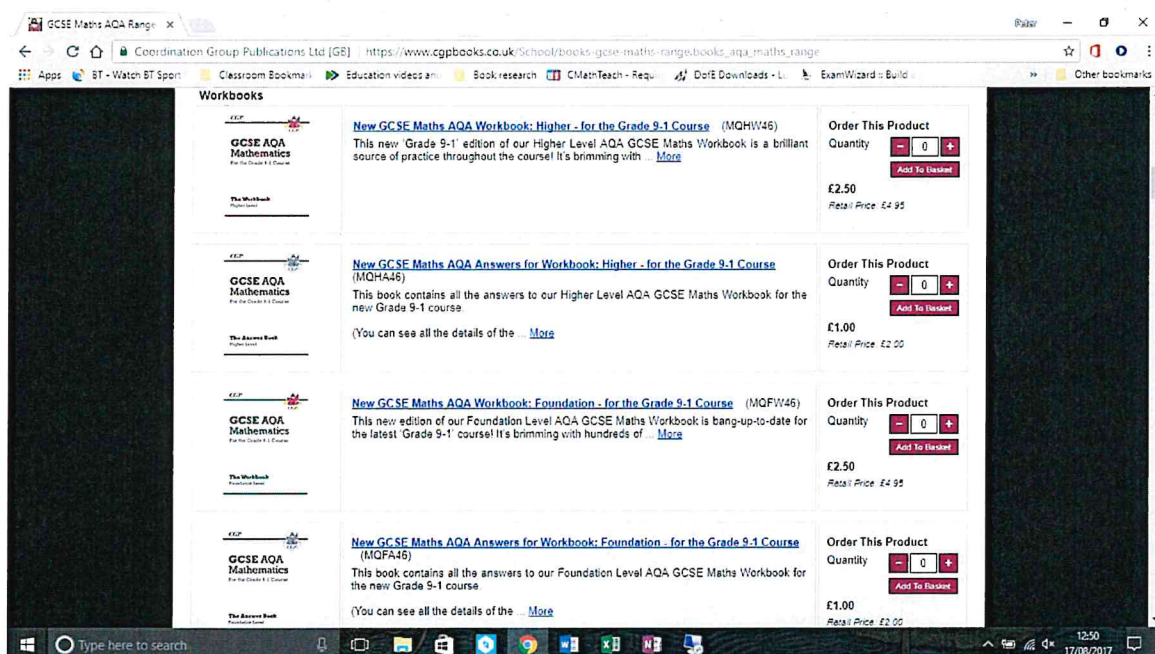
CGP offer a good revision guide at both Foundation and Higher tier. This is designed to have materials to support pupils in revision and learning of material, with explanations and worked examples. There are also a limited number of questions on each topic to help check and test understanding.

The screenshot shows the CGP website's product page for the 'New GCSE Maths AQA Revision Guide: Higher - for the Grade 9-1 Course (with Online Edition)' (MOHR45). The page is divided into sections for 'Revision & Study Guides' and 'Exam Practice Workbooks'. The 'Revision & Study Guides' section features two products: the 'New GCSE Maths AQA Revision Guide: Higher - for the Grade 9-1 Course (with Online Edition)' (MOHR45) and the 'New GCSE Maths AQA Revision Guide: Foundation - for the Grade 9-1 Course (with Online Edition)' (MOFR45). The 'Exam Practice Workbooks' section features the 'New GCSE Maths AQA Exam Practice Workbook: Higher - for the Grade 9-1 Course (includes Answers)' (MOHQ42). Each product has a description, a price of £2.50, and an 'Add To Basket' button. The website also includes a navigation menu with links to 'Maths Workbooks', 'Maths Practice Papers', 'Maths Complete Revision & Practice', 'Maths Masterclass Digital Study Kit', 'Maths Textbooks', and 'Maths Video Tutorials'.

In addition to the revision guide, CGP also produce an exam practice workbook, with exam style questions that have been specially designed to mirror the style of the 9-1 GCSE assessment. As well as exam practice workbook for Foundation and Higher, there is also a special 'Grade 9 targeted' workbook which is intended for to provide extra support for those pupils attempting to secure the very top grades.



Finally, CGP produce a standard workbook. This book is designed to provide basic practice questions rather than the more exam style questions, but consequently have a larger number of questions to practice when compared to the exam practice workbook, which typically only have one or two questions per page.



The board specific workbooks have separate answer booklets, however CGP do also sell a generic workbook designed to cover all boards. The benefit of this book is that the answers are included, so everything required is contained within a single book.

These books can be purchased from most good book shops, or directly from the CGP website (www.cgpbooks.co.uk). The maths department will also order these books from CGP to supply to pupils in Year 11. We sell these books at the cost price of £2.50 (correct at time of writing) which represents a significant saving on the retail price of £5.95. If your child is in Year 11 they will be able to add their name to the order request list by telling their teacher. ParentPay will then be opened in batches for the books to be paid for, and then ordered when a group of parents have paid.

CGP do offer further materials, mainly textbooks, but also copies of practice papers, digital study materials, and alternative revision guides and questions. The school doesn't order these resources but parents can also order these materials directly from the website.

Corbett Maths revision cards (<https://corbettmaths.com/revision-cards/>) – In addition to the online materials Corbett Maths also has printed 'flash' revision cards for sale through their website. These cards can be an excellent resource to support revision in the build-up to the exam. The major benefit of these cards is that they contain QR codes which can be scanned by most mobile devices which link directly to the video, practice questions and answers related to particular card or topic.

The screenshot shows the Corbett Maths website with a central image of a tablet displaying various revision cards. The cards include topics like 'Volume of a Sphere', 'Five Indices', 'Exact Trigonometric Values', 'Inverse Proportion', and 'Drawing Pie Charts'. To the right of the tablet, there is a section titled 'Corbettmaths Revision Cards' with a sub-header 'Available for GCSE Higher or Foundation Tier'. Below this, there is a 'Calculator' section featuring a Casio calculator. At the bottom, there are two purchase options: 'GCSE Higher £8.99 + p&p' and 'GCSE Foundation £8.99 + p&p', each with a 'Buy Now' button. A small text box at the bottom left provides instructions on how to order both sets. On the right side, there is a 'Follow me on Twitter' section with a tweet from @Corbettmaths.

Mathematical Association revision cards (<http://members.m-a.org.uk/Shop?category=9>) – If the Corbett Maths revision cards are not to your child's taste, then they may wish to consider the cards from the Mathematical Association. There are fewer cards (78) and the notes section on the back of the card is larger. If purchasing these do make sure you purchase the new 2017 GCSE version.

The screenshot shows the Mathematical Association website's shop page. The page has a navigation menu on the left with categories like 'Home', 'View Cart (0)', 'My Orders', 'Categories', 'SALE ITEMS', 'MA JOURNALS', 'PRIMARY', 'PRIMARY MATHS CHALLENGE RESOURCES', and 'SECONDARY'. The main content area displays two products: '2017 GCSE Cards - Foundation Tier NEW' and '2017 GCSE Cards - Higher Tier NEW'. Each product has a thumbnail image, a title, artist/author information (Mary Ledwick), ISBN, price (£7.49), members price (£5.99), and status (In stock). There are 'Add To Cart' and 'View Details' buttons for each product. The page also includes a search bar and a 'View Cart' button at the top right.

Pearson Revision Cards (<https://goo.gl/ucpDpZ>) – The educational publisher Pearson also produce a set of revision cards. This pack is slightly larger with 100 cards, and comes complete with dividers and topic summary cards. The cards contain multiple choice questions with answers, as well as worked examples. Each pack also includes access to a digital copy of the associated revision guide (Foundation or Higher) from Pearson. These can be ordered directly from the Pearson website, or through Amazon.

The screenshot shows the Pearson website interface. At the top, there's a navigation bar with the Pearson logo and links for Contact, Help, and Fast shop. Below this, the main heading is 'Secondary resources'. The product being featured is 'Revise AQA GCSE (9-1) Mathematics Higher Revision Cards'. A small image of the product box is shown on the left. To the right of the image is a table with product details:

Price	£7.49 + £1.50 UK VAT
ISBN	9781292182377
Availability	Available
Publication Date	May 2017
Format	PDF

Below the table, there's a link to 'See larger version of cover' and a 'Jump to: Customer reviews' link. To the right of the product details, there's a yellow 'Add To Basket' button and a quantity selector set to 1. Below that, there's a section for 'Ordering On Educational Establishment Account? You Can Try The Product For Free. Tell Me More' with an 'Order Evaluation Copy' button. At the bottom of the page, there's a banner that says 'Revise smart and save time!'. The Windows taskbar is visible at the very bottom of the screenshot.