

The countdown for Year 11 Maths

GCSE Mathematics

Paper 1

Tuesday 21st May

125 days, 15 hours, 48 minutes and 0 seconds.

GCSE Mathematics

Paper 2

Thursday 6th June

141 days, 15 hours, 48 minutes and 0 seconds.

GCSE Mathematics

Paper 3

Tuesday 11th June

146 days, 15 hours, 48 minutes and 0 seconds.

DON'T PANIC!



Plenty of time to study...



Plenty of time to sleep...



Plenty of time to exercise...

The assessment

Foundation (grades 1-5)	Paper 1 Non-calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 2 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 3 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes
	Paper 1 Non-calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 2 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes	Paper 3 Calculator 33.3% weighting 80 marks 1 hour and 30 minutes

It is **so important** that you know your calculator, as there are 2 papers that need one. Every calculator is different and this is the one we recommend:

The Casio FX-83GT Plus which is readily available from:

- Tesco
- Asda
- Argos
- Online from Amazon



Creativity



Reflection



Empathy



Motivation



Optimism



Practice



Curiosity



Resiliency



Responsibility

The new grading system

New GCSE Grading System			
9 8 7	6 5 4	3 2 1	U
A** A* A	B C	D E F G	U
Former GCSE Grading System			



Creativity



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Curiosity

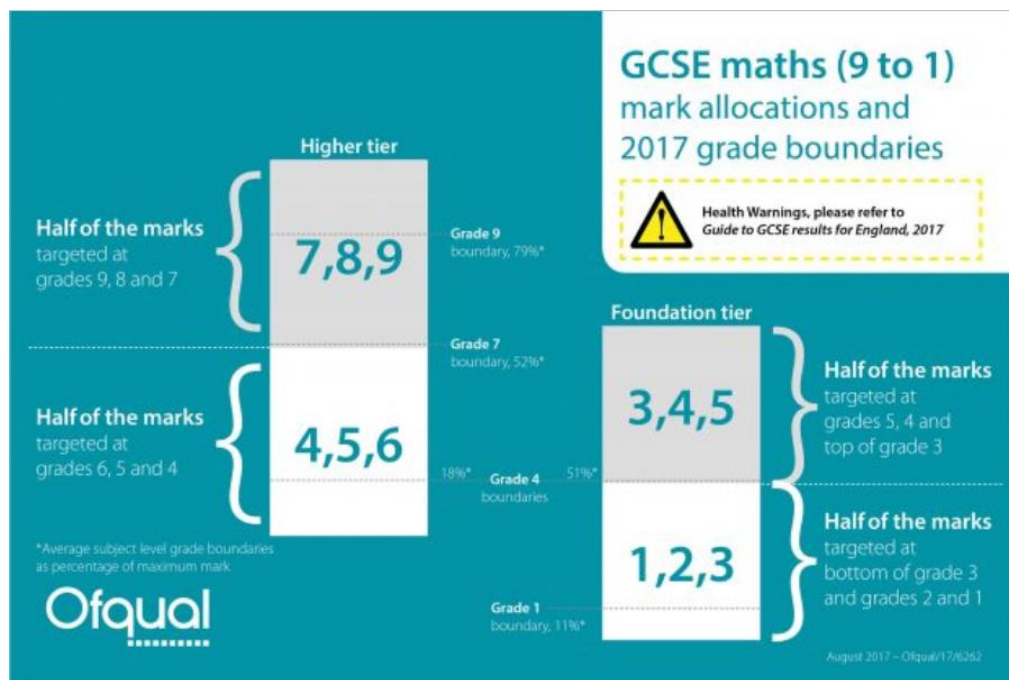


Resiliency



Responsibility

The new grading system



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Responsibility

The new specification

Old Exam

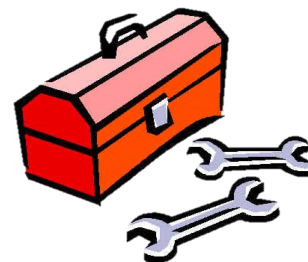
Work out 29×52

The mathematical skills haven't changed, you have to decide when is the right time to use them.

We all have a Mathematical Toolbox full skills that we have built up over the years. All we have to do is decide what is the correct tool to use for the job.

New Exam

A local football club have just reached the county cup final. They want to bring 29 coaches to the final. Each coach has 52 seats. How many supporters are going to the final?



The new specification

Old Exam

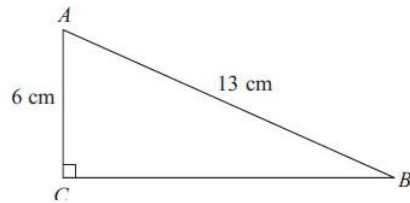


Diagram **NOT**
accurately drawn

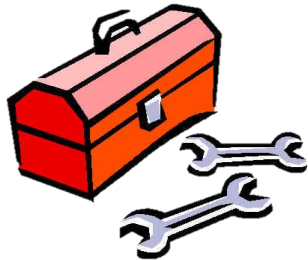
ABC is a right-angled triangle.

$AC = 6 \text{ cm}$

$AB = 13 \text{ cm}$

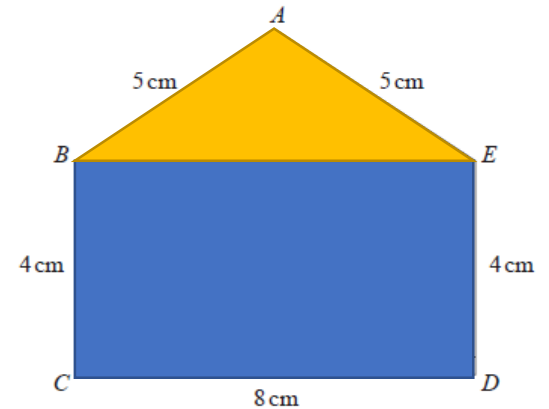
(a) Work out the length of BC .

Give your answer correct to 3 significant figures.



New Exam

$ABCDE$ is a pentagon.



Work out the area of $ABCDE$.

The new specification

- 2 On Saturday, some adults and some children were in a theatre.
The ratio of the number of adults to the number of children was 5 : 2

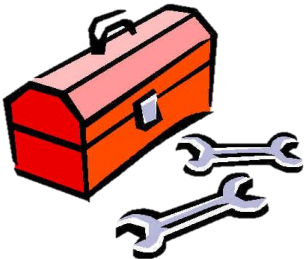
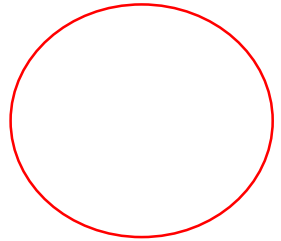
Each person had a seat in the Circle or had a seat in the Stalls.

$\frac{3}{4}$ of the children had seats in the Stalls.

117 children had seats in the Circle.

There are exactly 2600 seats in the theatre.

On this Saturday, were there people on more than 60% of the seats?
You must show how you get your answer.



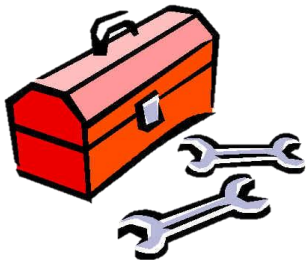
The new specification

Renee buys 5 kg of sweets to sell.
She pays £10 for the sweets.

Renee puts all the sweets into bags.
She puts 250 g of sweets into each bag.
She sells each bag of sweets for 65p.

Renee sells all the bags of sweets.

Work out her percentage profit.



Twitter..



Georgie Colville @ColvilleGeorgie · May 24

Was it worth going through all that trouble for £3 profit **Renee**? 😂

Renee with her £3 profit

#gcsemaths #edexcelmaths



GCSE Jeff

@JeffSte99133456

Renee could've made a much larger profit for those sweets let's be real here

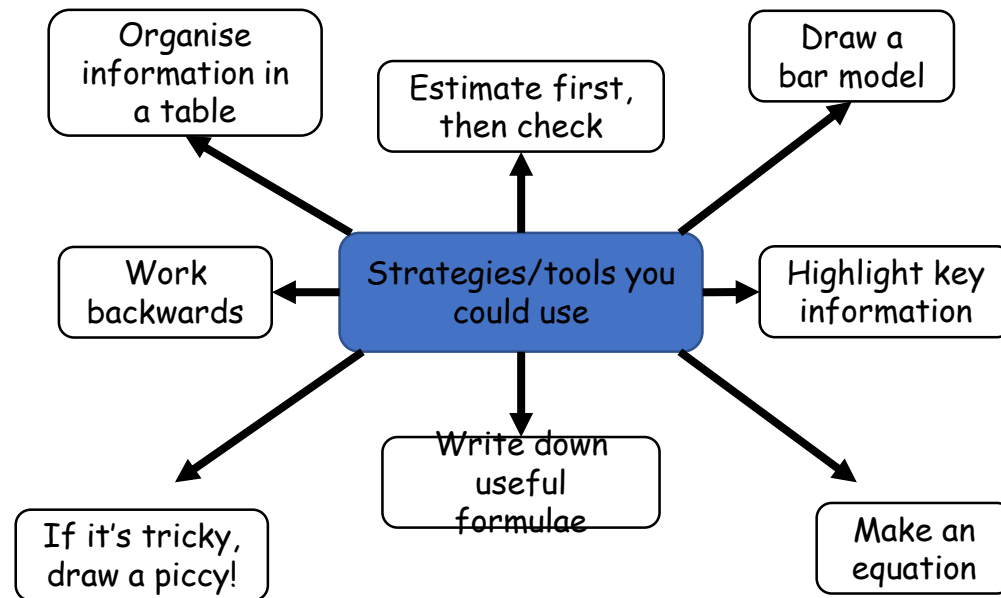


ty ❤️ @tygrease · May 24

me trying to figure out why **renee** bought £10 worth of sweets just to make £3 profit #edexcelmaths #gcsemaths #gcse2018 #gcses2018 #foundationmaths



Problem solving strategies



Creativity



Reflection



Empathy



Motivation



Optimism



Practice



Curiosity



Resiliency



Responsibility

The next progress test

Year 10

- Pupils will sit their next progress test (one calculator GCSE paper) in the second week of Spring 2.
- A revision list with topics that will be included on the progress test will assigned to students on Doodle before they go on work experience.

Year 11

- Pupils will have another opportunity to have a formal mock exam with all 3 papers contributing to a grade in February. Paper 1 will be before half term on 11th February and the following two papers will be in the fortnight following half term in Spring 2.



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The revision list



Year 11 Feb mock paper 1 – 11th February



Download **Mathswatch** onto your iPhone/iPad or you can access this from any PC- <https://vle.mathswatch.co.uk/vle/>

Login details:

Your username to log in to the computers in school! This has replaced Centre ID

USERNAME: 12MW08charltonhigh
PASSWORD: factor

Corbettmaths

Videos, worksheets, 5-a-day and much more

No login required. Access **Corbettmaths** at <https://corbettmaths.com>

This website has practice papers and worked solutions available. It is also a good place to find topic based worksheets, video tutorials and other revision resources.

Higher tier	Mathswatch Clip Number
Simultaneous equations	162, 140, 211
Circles – area and perimeter	117, 118
Trigonometry	168, 173
Cumulative frequency and box plots	186, 187
Negative and fractional indices	154, 188
Similarity	144, 200
Functions	214, 215



No login required. Access **Maths Genie** at <https://mathsgenie.co.uk/>

This website is a good place to practice exam questions based on each topic. Topics are ordered by grade and have accompanying worked solutions.

Strategies to support students in their revision at home



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Optimism



Practice



Curiosity

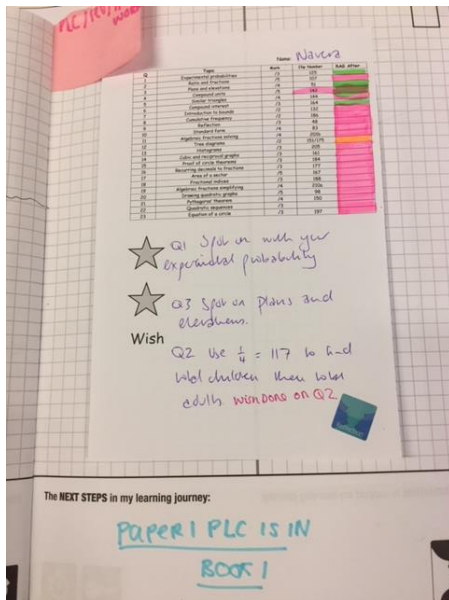


Resiliency



Responsibility

Responding to feedback



	1	2	3	4	5	6	7	8	9ab	9c	10
in diagrams	6	3	2	5	4	4	2	4	1	1	3
in linear equations (linear)	3	6	0	0	3	3	0	0	0	4	1
relations	4	1	0	3	0	0	2	1	1	4	0
no sharing	6	3	5	1	5	4	4	2	1	4	1
icons	3	2	0	5	1	0	2	2	0	4	0
Means with compound units	3	1	1	5	0	0	4	2	1	3	1
geometric ratios	4	3	0	0	0	0	2	1	4	0	0
in diagrams and Trig 2D and 3D	2	0	1	3	0	2	0	2	2	0	0
plots	3	0	0	5	1	0	0	0	2	0	0
maps	4	1	1	5	0	0	1	0	0	0	0
Distributions	4	1	0	0	4	0	2	3	1	0	1
rate interest and financial maths	3	0	0	0	0	0	0	0	3	1	0
	4	0	1	5	3	3	2	1	4	0	0
	3	0	1	5	0	1	2	0	3	1	1
	4	3	1	0	0	0	2	0	2	0	0
	0	0	1	4	0	2	0	0	2	1	0
	0	0	1	5	3	4	2	2	2	0	0
	0	2	1	3	4	1	2	1	2	1	1
	0	5	1	5	0	4	1	0	4	1	1
	1	0	0	5	0	0	1	0	2	0	0
	1	1	1	5	0	1	2	1	4	0	0
	3	2	1	5	1	1	2	0	4	1	1
	3	1	0	1	0	0	2	0	3	1	1
	0	0	0	0	4	1	0	4	0	0	0
	5	0	1	5	1	0	0	0	4	1	1

A revision timetable

Mon 28 th May	Tue 29 th May	Wed 30 th May	Thu 31 st May	Fri 1 st Jun	Sat 2 nd Jun	Sun 3 rd Jun
I will revise...	I will revise...	I will revise...	I will revise...	History – memorise dates	I will revise...	Science - Chemistry
I will revise...	I will revise...	I will revise...	Spanish – vocab.	I will revise...	Science - Physics	Science - Biology
I will revise...	I will revise...	I will revise...	History - propaganda	I will revise...	I will revise...	I will revise...
Shopping	Gym	Cinema	Homework	Maths - factorising trigonometr y	English - English – Macbeth practice	PE – Skeletal PE – Structure of the heart
Meet friends	Cycle	Fam. Meal	Homework			

Practice papers

GCSE Mathematics Practice Tests: Set 4

Paper 3H (Calculator)

Time: 1 hour 30 minutes

You should have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator.

6. The total cost of 3 apples and 4 pears is £1.84

The total cost of 5 apples and 2 pears is £1.76

Work out the cost of one apple and the cost of one pear.

$$\begin{aligned} \textcircled{1} \quad 3a + 4p &= 184 \\ \textcircled{2} \quad (5a + 2p &= 176) \times 2 \\ 10a + 4p &= 352 \quad \leftarrow \\ \text{subtract } \textcircled{1} & \\ \hline 7a &= 168 \\ a &= 24 \\ \therefore 5(24) + 2p &= 176 \\ 120 + 2p &= 176 \\ 2p &= 56 \\ p &= 28 \end{aligned}$$

Cost of one apple 24p

Cost of one pear 28p

(Total 4 marks)



Creativity



Reflection



Empathy



Motivation



Optimism



Practice



Curiosity



Resilience



Responsibility

To revise maths you need to do maths



Login
details are
provided in
your
handout

www.Mathswatchvle.com

Login

Username

15rr01@chorltonhigh

Password

View Demo

Login

https://vle.mathswatch.co.uk/vle/

place your bookmarks here on the bookmarks bar. Import bookmarks now...

MathsWatch

My Work

Videos

My Progress

Extras

Rowan's account
Logout
360 days until renewal

Assigned Work

This Year's Work

All Work

Showing All Types

Homework Average

74%

Test Average

Title	Type	Assigned By	Assigned	Due	Marks	%
Xmas flipped learning topics	HW	M Shale	19/12/2018	07/01/2019	12/44	27%
Set 3 homework for CEE paper 2 review	HW	M Shale	09/12/2018	17/12/2018	45/65	69%
Set 3 homework following CEE paper 1	HW	M Shale	23/11/2018	03/12/2018	56/56	100%
CEE Paper 2 and 3 revision	HW	M Shale	20/10/2018	12/11/2018	144/144	100%
CEE higher paper 1 revision	HW	M Shale	16/10/2018	19/10/2018	23/31	74%

www.Mathswatchvle.com

Ken and Steve are in a long jump competition.

Ken jumps $1\frac{1}{5}$ metres.

Steve jumps 1.5 metres.

a) Who jumps further, Ken or Steve?

b) How much further does he jump?
Give your answer in metres.



Download **Mathswatch** onto your iPhone/iPad or you can access this from any PC- <https://vle.mathswatch.co.uk/vle/>

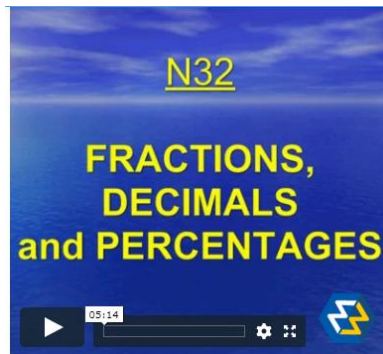
Login details:

Your username to log in to the computers in school!

This has replaced the Centre ID

USERNAME: 12MW00@charltonhigh

PASSWORD: factor

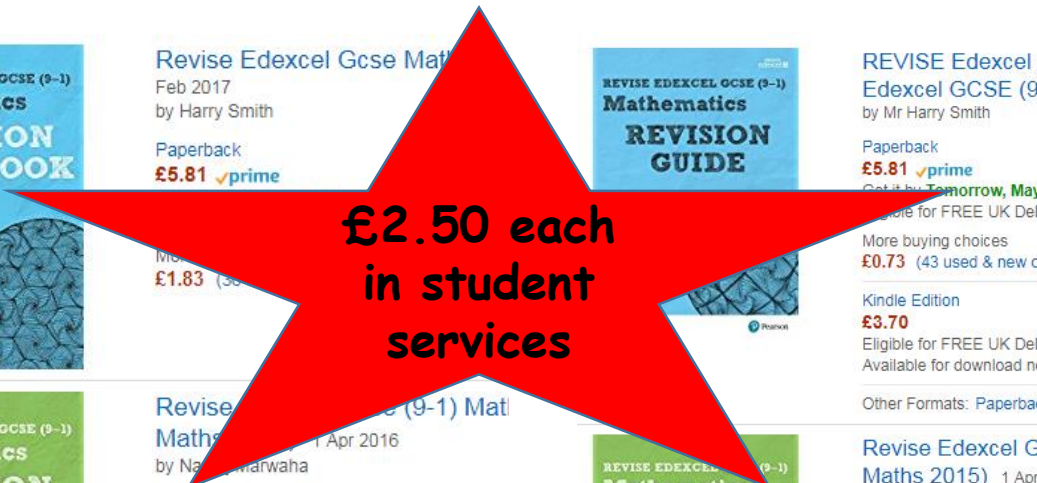


Put these fractions, decimals and percentages in order, lowest to highest.

$\frac{1}{2}$	47%	$\frac{3}{5}$	0.55
0.50	0.47	0.60	

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The recommended revision guide and accompanying workbook is a useful addition to revision resources and is an easy way for you to show your revision and ask for advice from your teachers.



**£2.50 each
in student
services**

Book Title	Author	Format	Price	Availability
REVISE EDEXCEL GCSE (9-1) Mathematics REVISION WORKBOOK (Higher)	Harry Smith	Paperback	£5.81	prime
REVISE EDEXCEL GCSE (9-1) Mathematics REVISION GUIDE	Mr Harry Smith	Paperback	£5.81	prime
REVISE EDEXCEL GCSE (9-1) Mathematics REVISION WORKBOOK (Foundation)	Navtej Marwaha	Paperback	£5.81	prime
REVISE EDEXCEL GCSE (9-1) Mathematics REVISION WORKBOOK (Foundation)	Navtej Marwaha	Paperback	£5.81	prime

Other Formats: Paperback, Cards