Teach Us Ma+hs

www.teachusmaths.com
Email: hello@teachusmaths.com

My name is Amy and I have been a qualified Maths Teacher since 2005.

I have vast teaching experience, having taught in a variety of Secondary Schools, as well as online for an Alternative Provision.

I am also an examiner and a mum!

Join my Facebook group
FREE Maths Lessons
UK – Teach Us Maths
to keep updated!

- Here at Teach Us Maths, we believe that every student should have access to quality education.
- We also understand that not everyone can find/afford a Maths tutor to help them in this journey.
- That is why I am offering FREE Live Maths Lessons each with a useful handout.
- If you find the lessons helpful, and you are willing/able, you can send me a donation.
- Alternatively, for just £6/month with no contract, you can subscribe to my website.
  Here you will find additional resources, namely a worksheet and slideshow that accompany the Live Lesson.
  You will also gain access to all the other available topics, each with a pre-recorded video!

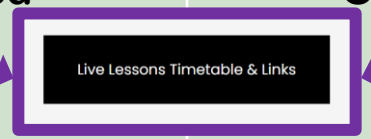
@TeachUsMaths | Teach Us Maths | teach_us_maths | @teachusmaths

Option 1

FREE / donation

Go to www.teachusmaths.com

On the homepage look for the button labelled
'Live Lessons Timetable & Links'



Here you will find:

- the timetable of lessons (and who they are most suited to)
- the link to the live lesson
- the relevant printable handout

You will also be able to access the 'live lesson' recording, plus all the pre-recorded lessons, on my YouTube channel.

I can only offer live lessons thanks to the generous donations from my audience.
If you are finding the lessons useful, please consider donating. This could be a one-off payment of an amount of your own choosing, or a monthly payment.
Thank you!
DONATE

Option 2

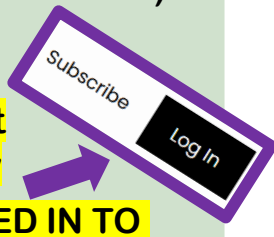
£6/month (no contract)

Go to www.teachusmaths.com

On the homepage look for the button labelled
'Live Lessons Timetable & Links'

Here you will find:

- the timetable of lessons (and who they are most suited to)
- the link to the live lesson
- the relevant printable handout
- the link to the accompanying worksheet
- the link to the accompanying slideshow



MAKE SURE THAT YOU ARE SUBSCRIBED AND LOGGED IN TO WWW.TEACHUSMATHS.COM BEFORE CLICKING ON THESE 2 LINKS

You will also be able to access the 'live lesson' recording, plus all the pre-recorded lessons, on my YouTube channel.

Anyone choosing Option 2 will also gain access to ALL topics.
Each topic includes:

- a slideshow 'Lesson'
- an accompanying 'Worksheet'
- and a detailed pre-recorded 'Video'.

Join my facebook group FREE Maths Lessons UK - Teach Us Maths to stay up to date!

These lessons will cover a variety of core Mathematics topics and are best suited to people following the National Curriculum for England.

GREEN topics are of approximate GCSE grades 1 – 3 BLUE topics are of approximate GCSE grades 4 & 5 PURPLE topics are of approximate GCSE grades 7 - 9

* Please note that I reserve the right to cancel any live lesson if I deem it necessary. * Please also note that all lessons are recorded for safeguarding reasons. *

	5pm	6pm	7pm
Thursday 20th March	N 2.1 Adding & Subtracting Negative Numbers	G 10.1 Pythagoras' Theorem	G 12.1 Circle Theorems
Thursday 27th March	N 3.4 Multiplying Decimals	G 10.2 Trigonometry - Introduction	G 10.5 Sine Rule
Thursday 3rd April	N 4.1 Equivalent Fractions	N 4.4 Adding & Subtracting Fractions	G 10.6 Cosine Rule
EASTER HOLIDAYS			
Thursday 24th April	N 6.2 Percentages of an Amount (Non-Calculator)	N 6.7 Compound Interest	N 7.7 Calculating with Upper & Lower Bounds
Thursday 1st May	N 5.1 Converting between Fractions, Decimals & Percentages	N 9.1 Standard Form	N 5.3 Recurring Decimals
Thursday 8th May	R 1.2 Simplifying Ratio	R 1.3 Sharing in a Ratio	N 10.1 Surds
Thursday 15th May	A 3.2 Collecting Like Terms	A 3.7 Laws of Indices (Algebra)	N 8.3 Fractional Indices
Thursday 22nd May	A 3.5 Expanding Single Brackets	A 3.6 Factorising into Single Brackets	R 2.3 Direct Proportion (Algebra)
HALF TERM HOLIDAYS			
Thursday 5th June	A 3.10 Solving Linear Equations	A 4.1 Expanding Double Brackets	R 2.4 Inverse Proportion (Algebra)
Thursday 12th June	G 5.2 Converting Metric Units	A 4.2 Factorising Quadratics	A 4.12 Solving Quadratics – All Methods
Thursday 19th June	G 3.1 Circumference	A 9.1 Simultaneous Equations - Linear	A 7.4 Solving Quadratic Inequalities
Thursday 26th June	G 3.3 Area of Circles	A 10.1 Linear Sequences	A 10.2 Quadratic Sequences
Thursday 3rd July	S 2.1 Mean, Median, Mode, Range	S 2.2 Averages from a Table	A 8.2 Iteration
Thursday 10th July	P 1.1 Basic Probability	P 2.2 Tree Diagrams	A 12.1 Functions
Thursday 17th July	A 2.2 Plotting Linear Graphs ($y = mx + c$)	P 2.3 Venn Diagrams	A 13.1 Algebraic Proof
SUMMER HOLIDAYS			

LIVE LESSONS

Topic:	R 1.2 Simplifying Ratio	R 1.3 Sharing in a Ratio	N 10.1 Surds
Date:	Thursday 8th May	Thursday 8th May	Thursday 8th May
Time:	5pm	6pm	7pm
Most suitable For:	Key Stage 3 Functional Skills L1/L2 GCSE Foundation	Key Stage 3 Functional Skills L1/L2 GCSE Foundation GCSE Higher	GCSE Higher
Link to Live Lesson:	Live Lesson	Live Lesson	Live Lesson
Link to Handout:	Handout	Handout	Handout
*Please note that due to safeguarding reasons, comments during the lessons will be disabled. If time allows, I will answer some of the questions that have been submitted to me via my email during the lessons. To submit a question:	Email me: hello@teachusmaths.com	Email me: hello@teachusmaths.com	Email me: hello@teachusmaths.com
If you have a subscription (£6/month no contract) to www.teachusmaths.com you can also access:			
Accompanying Worksheet	Worksheet	Worksheet	Worksheet
Slideshow Lesson	Slideshow Lesson	Slideshow Lesson	Slideshow Lesson

Don't forget that if you miss a lesson, you can find the recorded live lesson, plus pre-recorded lessons, FREE on my YouTube channel

Finding the lessons useful? Please consider 'buying me a coffee'. Thank you!

DONATE

Simplifying Ratio

1) Simplify:

$(a)\ 2 : 8$ $(b)\ 21 : 15$ $(c)\ 18 : 24$ $(d)\ 4 : 6 : 10$ $(e)\ 400g\ to\ 3kg$

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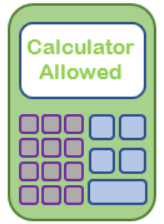
2) Express 2 : 7 in the form 1:n

3) Express 3 : 5 in the form n:1

4) There are 8000 people at a concert. 6400 of them are adults, the rest are children.
What is the ratio of children to adults?
Give your answer as a ratio in its simplest form.



Sharing in a Ratio

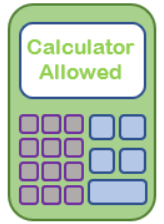
1) Share 12 in the ratio 1 : 2

2) Share 27 in the ratio 5 : 4

3) Share £4 in the ratio 2 : 3

4) Share 8 in the ratio 7 : 5

5) William, Katie, and Stacy are sharing 36 sweets in the ratio 1 : 3 : 5.
(a) How many sweets does William get?
(b) How many more sweets does Stacy get than Katie?



Surds

1) Simplify:

$(a)\ \sqrt{80}$ $(b)\ 5\sqrt{18}$

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2) By simplifying each surd first, work out the following:

$(a)\ \sqrt{12}+\sqrt{27}$ $(b)\ 3\sqrt{50}-5\sqrt{8}$

3) Work out the following, simplifying each answer where possible:

$(a)\ \sqrt{3}\times\sqrt{5}$ $(b)\ (\sqrt{4})^2$ $(c)\ \sqrt{8}\times\sqrt{4}$ $(d)\ 4\sqrt{15}\times 2\sqrt{10}$ $(e)\ 10\sqrt{60}\div 2\sqrt{3}$