



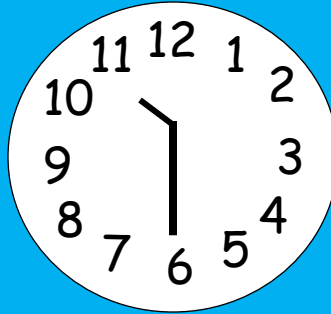
Friday 9th July 2021

To be able to the formal column method to subtract
Maths

Morning Orange Bubble!

Your teacher today is Miss Scott

This lesson will start at 11:30.



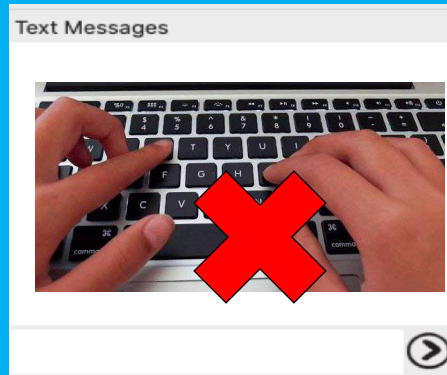
Waiting Task:

If I know...

$$17 - 9 = 8$$

What else do I know?

How many different facts can you think of?



Don't type your answer in till
I ask otherwise you could
give the learning away to
someone else!



CAW Online Learning Expectations

So that we can learn online:

I will listen when my teacher is talking. *Stay near to your laptop/tablet so that you can hear your teacher.*

I will be on time. *Get your laptop/tablet ready before your session is going to start. Sit at a table and have some paper and a pencil with you. Your teacher will start at the time you have been given.*

I will be respectful. *Take turns to speak or ask questions. Click on the raise hand button and wait for your teacher to give you a turn to speak. If you want to answer 'yes' or 'no' click on these buttons.*

I will be kind. *Think before you send messages. Is this true? helpful? necessary? kind?*

I will be ready for learning. *Wear appropriate clothes and try not to have breaks during the session e.g. having a drink or going to the toilet.*

If possible please can you wear headphones to help prevent distractions during the lessons!

How to use Electa...



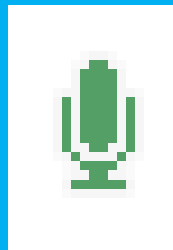
Always be respectful!



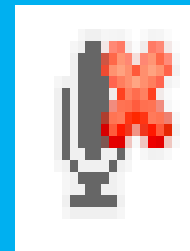
Ways to be respectful and kind!



You can put your hand up if you would like to be unmuted to share your answer



Unmuted



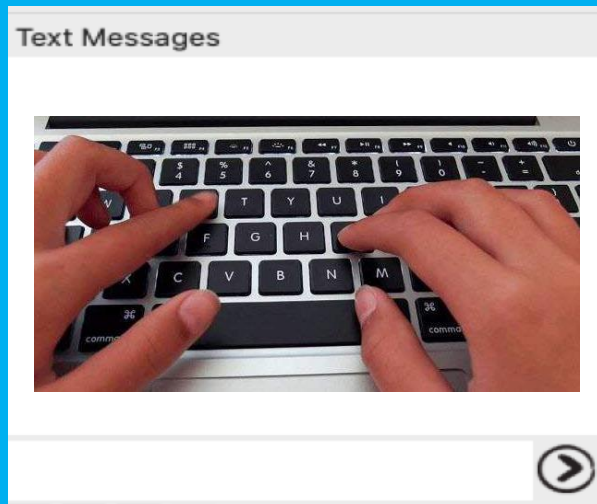
Muted

A screenshot of a web application's "Polling" interface. At the top, it says "Polling". Below that, a text box contains the instruction: "Please read the below text and make your choice. Then click Send." Underneath the text box is a label "Produce" followed by a large empty text input area. Below the input area are four buttons labeled "1", "2", "3", and "4". At the bottom of the interface are two buttons labeled "Send" and "Cancel". In the bottom right corner, it says "Closing in 113 seconds."

You can answer a poll



You can use the yes/no buttons

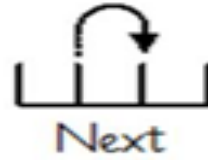


You can type your answer into the chat box

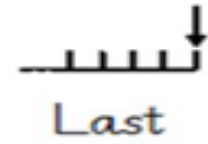
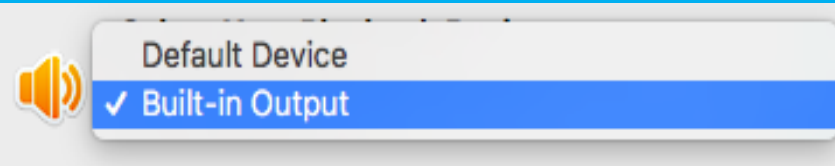
If you're having trouble with your microphone...



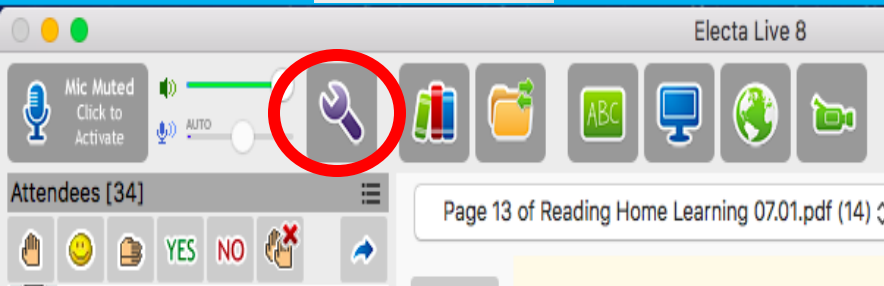
Try testing your sound using the spanner button in the top left hand corner



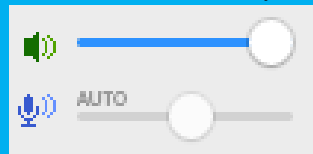
If you're using a device with a microphone built in click "Built-in Output"



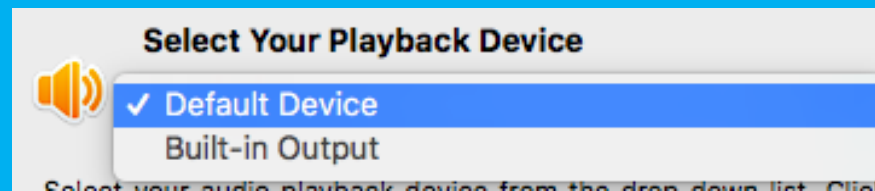
If you're still having trouble try exiting the session and re-entering



Make sure your volume is turned up!



If you're using a separate device such headphones click "Default Device" but make sure you're wearing these from the start of the session to the end

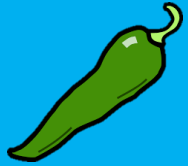


Fluency

Let's back up in... 10s, 100s, and 100s from...

Do Now

You will need some paper and a pencil for this task! Complete the following calculations using the formal column method:



		8	6	7	
	-	5	1	2	
	=				



		4	1	6	5
	-		3	7	2
	=				



		9	0	0	0
	-	3	4	5	2
	=				

New Learning - How to lay out the formal column method



You can use the place value columns to help you!



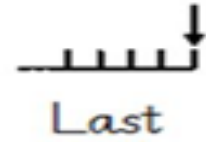
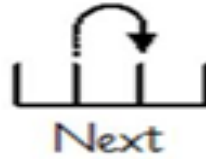
Write the numbers in the correct place value columns - make sure the greatest number goes on top!



Draw two lines under the numbers
and the correct symbols



New Learning - How to use the formal column method to subtract 2346 - 681



Starting in the ones column subtract the bottom digit from the top digit and write your answer directly below in the box between the two lines

Key - If the bottom digit is greater than the top digit you must regroup
Regroup by crossing out one lot from the next greatest column on the left.

Write the one lot you've regrouped onto your top digit to make it greater than the bottom digit and subtract as normal

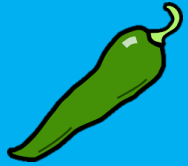
	TH	H	T	O	
	2	3	4	6	
-		6	8	1	
=					

	TH	H	T	O	
	2	3	4	6	
-		6	8	1	
=					

	TH	H	T	O	
	2	3	4	6	
-		6	8	1	
=					

Do Now

You will need some paper and a pencil for this task! Complete the following calculations using the formal column method:



		6	3	4	
	-	2	5	3	
	=				

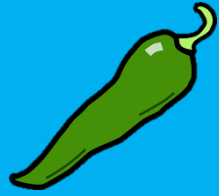


		7	3	5	2
	-		4	2	1
	=				



		8	0	0	0
	-	1	5	3	0
	=				

Develop Learning - Can you work out the missing digits?



	T	H	T	O
	6	3		9
-		2	6	
=	2		1	4

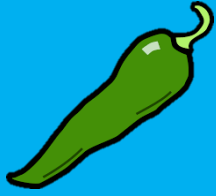
Work out the missing digits.

	H	T	O
	5	?	3
-	2	1	8
	3	1	5

	H	T	O
	?	0	?
-	2	?	8
	2	4	6

To make it even more challenging the regrouping isn't shown here

Develop Learning - Can you work out what's gone wrong?



Miss Scott is trying to work out $5789 - 345$

	TH	H	T	O	
	5	7	8	9	
-	3	4	5		
=	2	3	3	9	



Eva is working out $406 - 289$

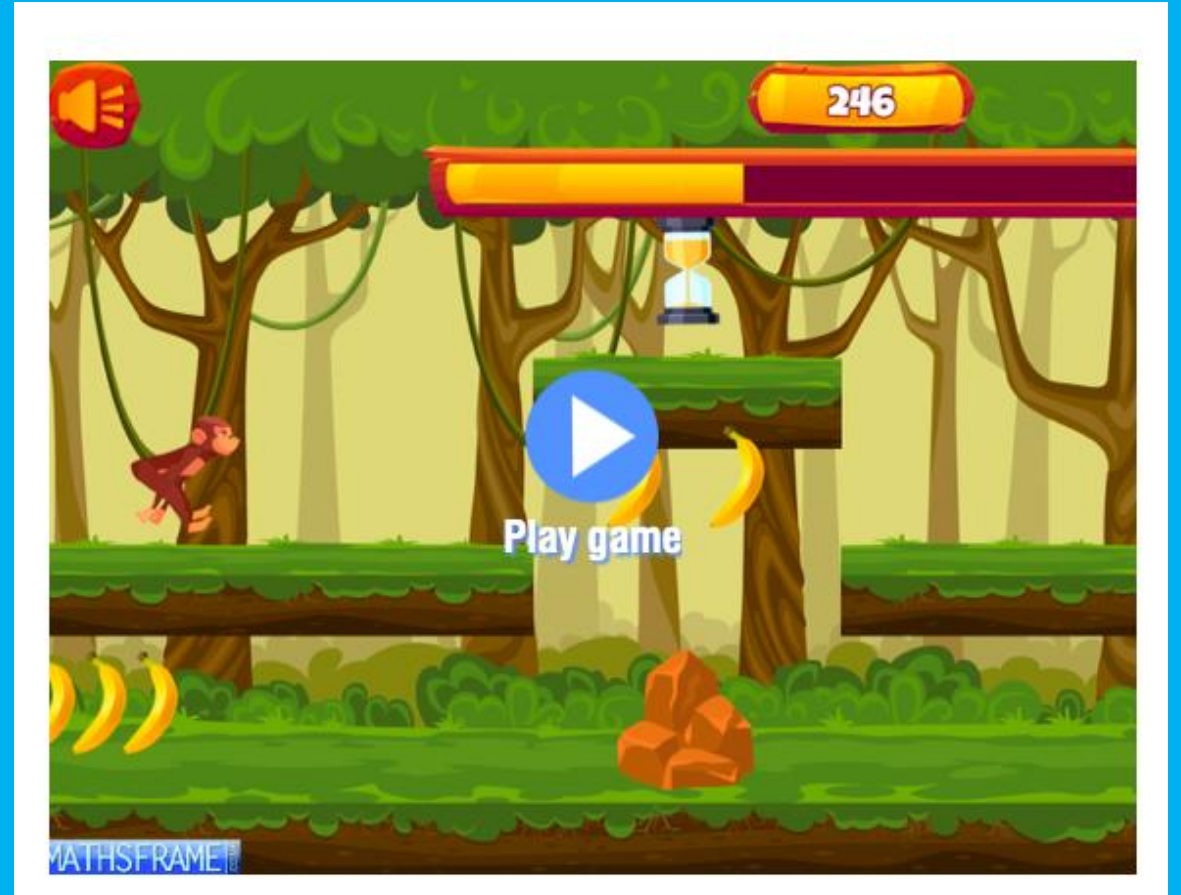
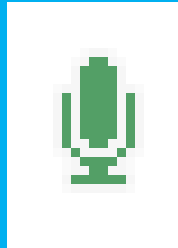
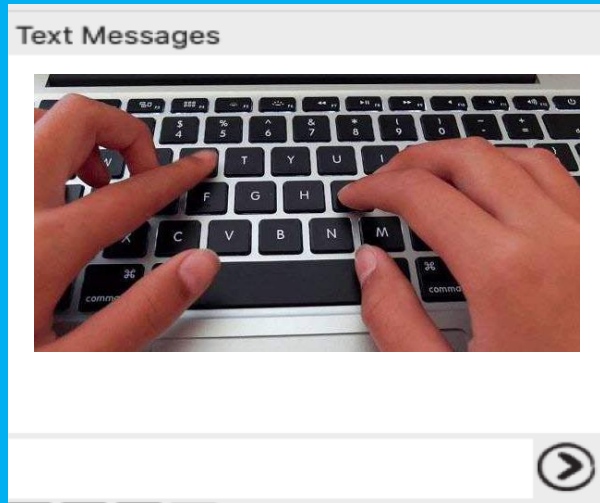
Here is her working out:

Step 1	Step 2
$\begin{array}{r} \overset{3}{\cancel{4}}0\overset{1}{6} \\ - 289 \\ \hline 7 \end{array}$	$\begin{array}{r} \overset{2}{\cancel{4}}\overset{3}{0}\overset{1}{6} \\ - 289 \\ \hline 027 \end{array}$

Explain her mistake.

What should the answer be?

Plenary - Can you help me to win monkey maths?



Maths Frame - Monkey maths



Learning Task

Complete the chilli challenges!

09.07.21 - Maths – Learning Task

Mild

Calculate the answers to these questions – the formal column method has been laid out for you:

	TH	H	T	O
	6	9	5	7
-	4	3	2	5

	TH	H	T	O
	3	7	8	9
-	1	3	9	4

	TH	H	T	O
	6	3	4	2
-		5	0	1

Spicy

Complete the following calculations using the formal column method - use the squared paper on the next page

- a. $4,567 - 2,757$
- b. $9,845 - 1,328$
- c. $6,734 - 5,262$
- d. $9,153 - 8,221$
- e. $6,999 - 909$

Hot

Can you find out what the missing digits are in this column method?

	Th	H	T	O
-	1	2	8	4
	2	2	3	0

Flaming hot

Logan was practising subtracting using the formal column method with two four digit numbers

_____ - _____ = _____

His larger number had a digit total of 35.

His smaller number had a digit total of 2.

What could Logan's calculation be?

Challenge can you find more than one answer?

New Learning - How to lay out the formal column method
 $2346 - 681$

First

You can use the place value columns to help you!

Next

Write the numbers in the correct place value columns - make sure the greatest number goes on top!

Last

Draw two lines under the numbers and the correct symbols

	TH	H	T	O

	TH	H	T	O

	TH	H	T	O

New Learning - How to use the formal column method to subtract
 $2346 - 681$

First

Starting in the ones column subtract the bottom digit from the top digit and write your answer directly below in the box between the two lines

Next

Key - If the bottom digit is greater than the top digit you must regroup. Regroup by crossing out one lot from the next greatest column on the left.

Last

Write the one lot you've regrouped onto your top digit to make it greater than the bottom digit and subtract as normal

	TH	H	T	O
	2	3	4	6
-		6	8	1
=				

	TH	H	T	O
	2	3	4	6
-		6	8	1
=				

	TH	H	T	O
	2	3	4	6
-		6	8	1
=				

Use the **First**, **Next**, **Last** on slide 7 and 8 to help you!

Ways to keep in touch and take part in learning:



- Please see the *CAW Live Lessons* tab on the school website to access this PowerPoint and your Learning Task.

- Remember you can email any home learning work to:

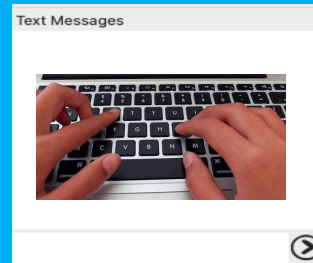
cawhomelearning@gmail.com



- Don't forget you can still use Purple Mash to stay in touch with your friends and teachers!



Any questions?



or

