



Thursday 8th July 2021

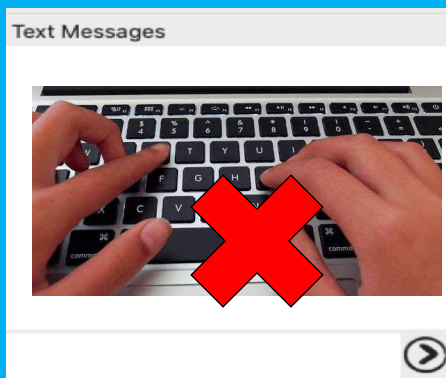
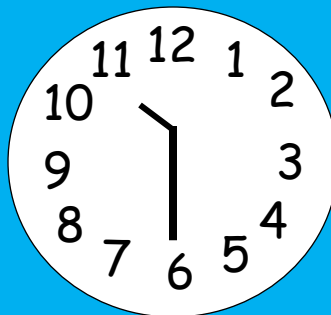
To be able to use mental addition strategies

Maths - Addition Formal Column Method

Morning Orange Bubble!

Your teacher today is Miss Scott

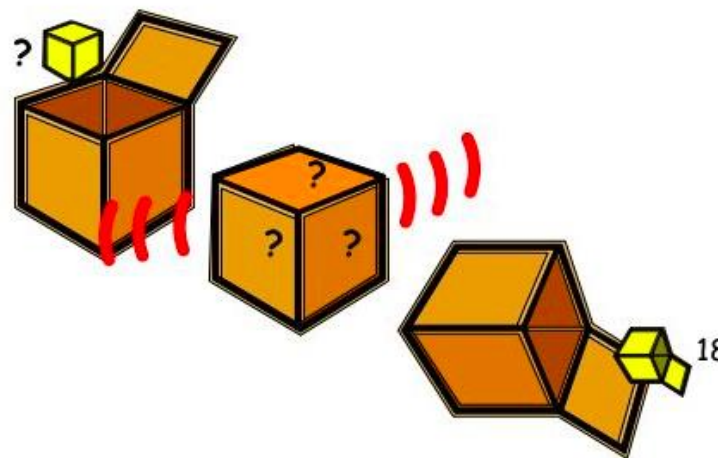
This lesson will start at 11:30.



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

Waiting Task - What's in the box?

A number in a little box is put into a wonderful big box that adds something to the number and then a new number comes out at the end:



The first time this happens, 10 is put into the little box, so what happened in the big box to get the answer in the picture above?

Now three more boxes with new numbers in, go into the wonderful box one at a time. It still does the same as before.





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?*

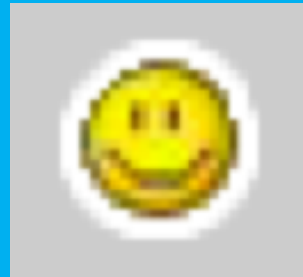
I will be ready for learning. *Wear appropriate clothes and try not to have breaks during the session e.g. having a drink or going to the toilet.*

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

How to use Electa...



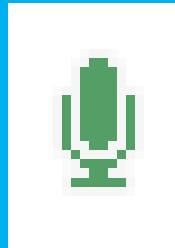
Always be respectful!



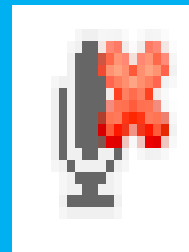
Ways to be respectful and kind!



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



Unmuted



Muted

Polling

Please read the below text and make your choice. Then click Send.

Produce

1 2 3 4

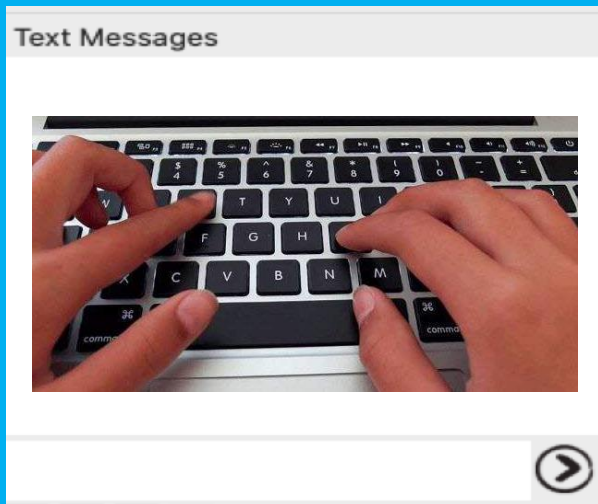
Send Cancel

Closing in 113 seconds.

You can answer a poll



You can use the yes/no buttons

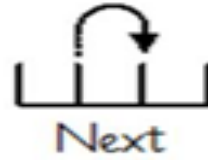


You can type your answer into the chat box

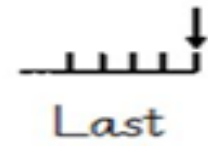
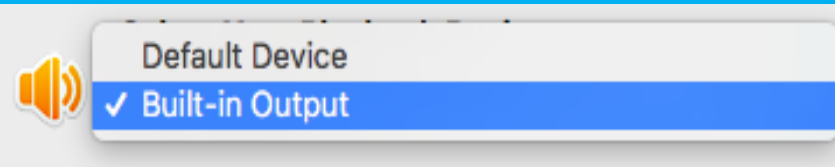
If you're having trouble with your microphone...



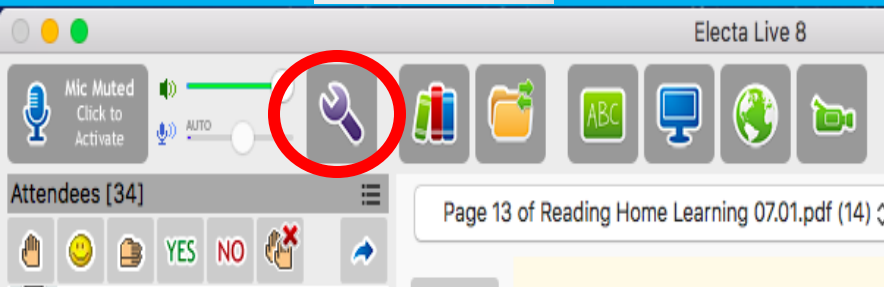
Try testing your sound using the spanner button in the top left hand corner



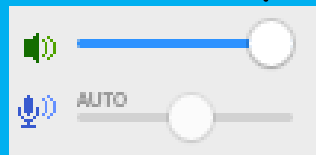
If you're using a device with a microphone built in click "Built-in Output"



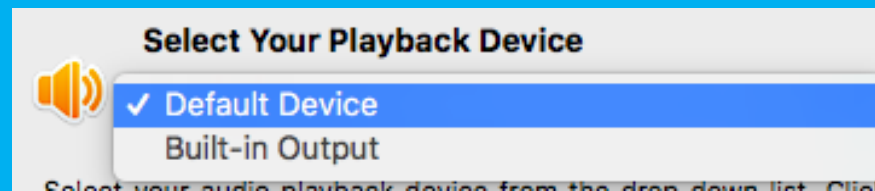
If you're still having trouble try exiting the session and re-entering



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

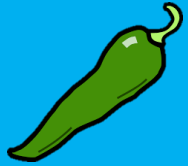


Fluency

Let's count up in...

Do Now

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



		3	4	5	
	+	5	1	2	
	=				



		9	7	2	3
	+		2	3	8
	=				



		8	9	7	6
	+	3	4	5	2
	=				

New Learning - How to lay out the formal column method

2346 + 681



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!

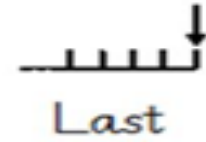
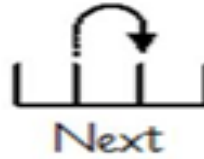
Draw two lines under the numbers and the correct symbols

	T	H	H	T	O

	T	H	H	T	O

	T	H	H	T	O
+					
=					

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



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

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

Key -If the digits total more than 9 you have to exchange!

Partition to exchange - the exchanged digits go to the next column underneath the line

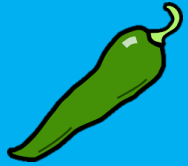
	TH		H	T	O	
+	2	3	4	6		
		6	8	1		
=						

Don't forget to add on the exchanged digits - cross them out so you don't forget!

	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	
	=				

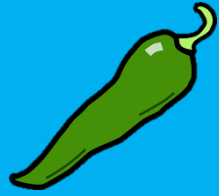


		7	4	5	2
	+		3	2	1
	=				



		7	6	8	9
	+	1	5	3	0
	=				

Develop Learning - Can you work out the missing digits?



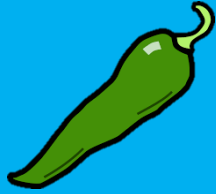
	Th	H	T	O
	4	—	6	—
+	2	5	—	1
	—	7	8	9



	TH	H	T	O	
+		4	1		
	2		4	9	
=	6	1		1	

The exchanged digits haven't been written on this to make it even more challenging!

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

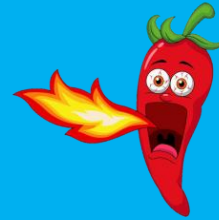


Jack is calculating $506 + 243$

Here is his working out.

		5	6
+	2	4	3
	2	9	9

Can you spot Jack's mistake?
Work out the correct answer.



Two children completed the following calculation:

$$1,234 + 345$$



Dora

My answer is 1,589

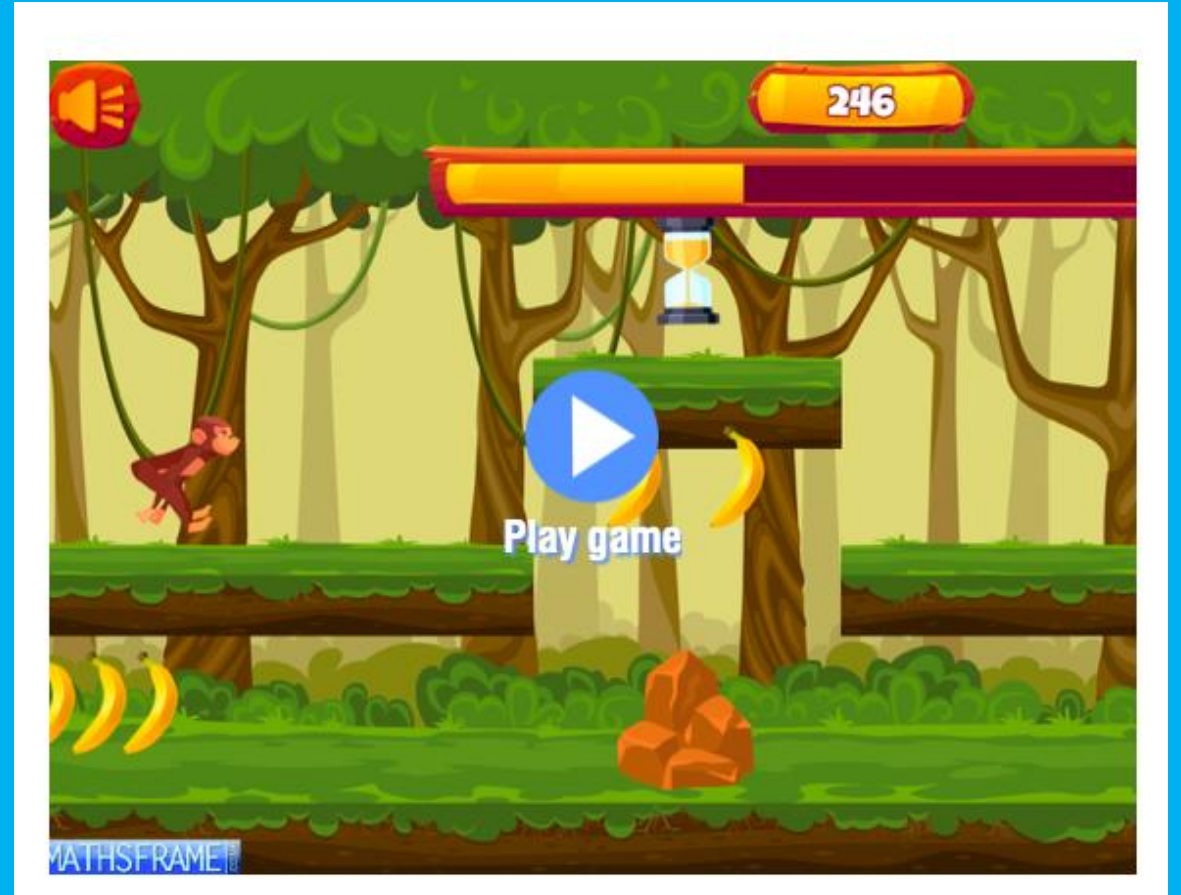
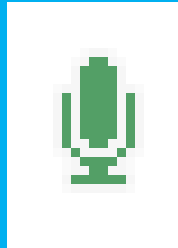
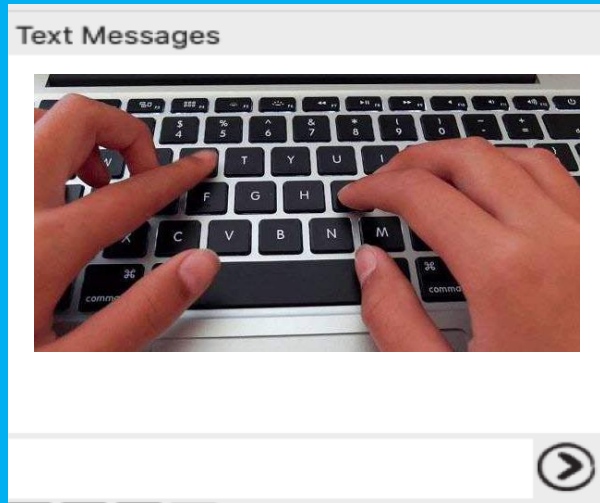
My answer is 4,684



Alex

Both of the children have made a mistake in their calculations.
Calculate the actual answer to the question.
What mistakes did they make?

Plenary - Can you help me to win monkey maths?



Maths Frame - Monkey maths



Learning Task

Complete the chilli challenges!

Mild 🌱

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

TH	H	T	O	TH	H	T	O	TH	H	T	O	TH	H	T	O	TH	H	T	O				
2	4	6	8	6	2	3	5	6	9	5	2	3	7	8	9	6	9	4	2				
+	3	5	3	1	+	2	4	4	2	-	4	3	2	1	-	1	3	5	4	-	5	0	1

Spicy 🌶️

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

- $8,273 + 1,519$
- $5,532 + 2,393$
- $2,556 + 6,642$
- $8,273 + 1,519$
- $5,532 + 2,393$
- $2,556 + 6,642$
- $3,648 + 5,261$
- $223 + 943$

Hot 🌶️🌶️

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

	Th	H	T	O
+	6	3	9	5
	8	9	4	9

Flaming hot 🌶️🌶️🌶️

Harley says that there is more than one possible answer for the missing numbers in the hundreds column. Is he correct?

Explain your answer.

Complete:

	Th	H	T	O
	6	?	?	8
+	?	?	8	?
	9	3	2	5

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

First

You can use the place value columns to help you!

TH	H	T	O

Next

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

TH	H	T	O

Last

Draw two lines under the numbers and the correct symbols

TH	H	T	O

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

First

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

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

Next

Key: - If the digits total more than 9 you have to exchange! Partition to exchange - the exchanged digits go to the next column underneath the line

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

Last

Don't forget to add on the exchanged digits - cross them out so you don't forget!

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:

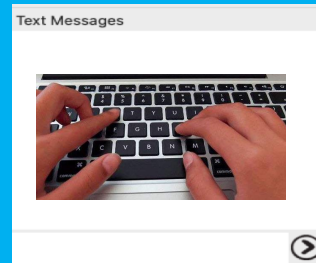
cawhomelearning@gmail.com



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



Any questions?



or

