



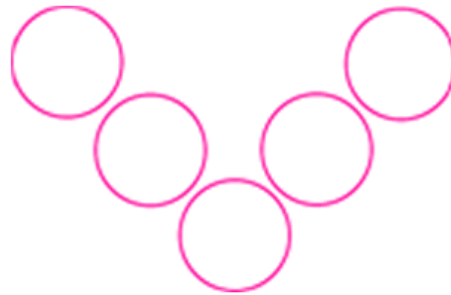
Tuesday 6th July 2021

To be able to understand the place value of each digit in two - four digit numbers

Maths Place Value

Magic VS

Place each of the numbers 1 to 5 in the V shape below so that the two arms of the V have the same total.



How many different possibilities are there?
What do you notice about all the solutions you find?

Can you explain what you see?

Can you convince someone that you have all the solutions?

What happens if we use the numbers from 2 to 6? From 12 to 16? From 37 to 41? From 103 to 107?

What can you discover about a V that has arms of length 4 using the numbers 1 – 7?

with Miss Scott

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 ask/answer questions...

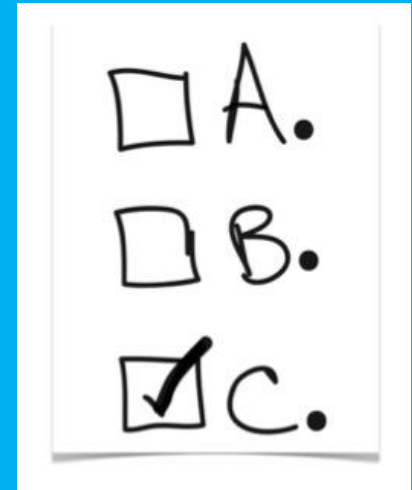
These signs show you how I would like your answers...



You can type
your answer



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



I will give you some
answers and you will
choose the one you
think is correct!

Fluency



or



How many **ones** make 10?



=



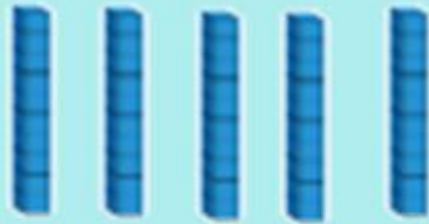
Fluency



or



How many **tens** make 100?



=



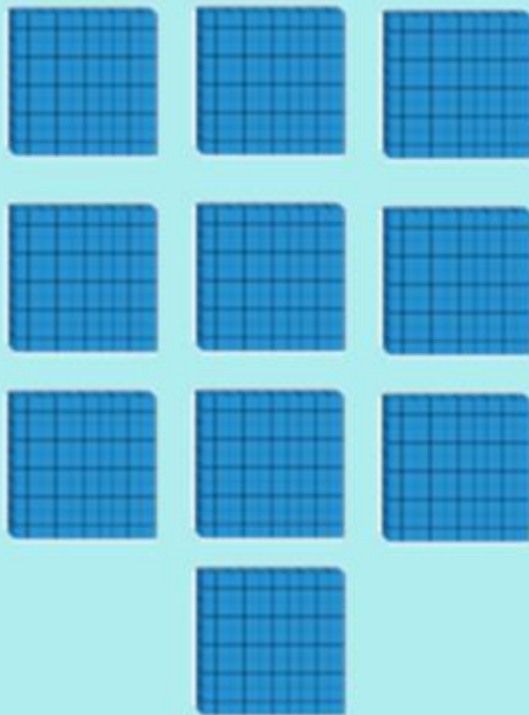
Fluency



or



How many **hundreds** make 1000?



=



Fluency



or



What's greater?



or



or



How do you know?

Do now



Only when you've completed all three - don't give the answers away!

Here are some numbers represented by base 10...

What numbers do you think are being represented here?

Why?

Discuss with your partner

| | Representation | | | | Number |
|---|----------------|--|--|--|--------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |

New Learning



or



What's the difference between a digit and a number?

Digit

Any of the numbers from 0 - 9

For example: 1234

Number

A value or amount in a number or a single number on it's own

For example: I have 10 fingers!

New Learning

Key - unless there's a decimal point the digit furthest on the right will be the ones!

How to build numbers using Base 10!

| First | Next | Last |
|---|--|--|
| Look at each digit in the number and partition it | Work out how many thousands, hundreds, tens and ones you need! | Starting in the ones column build the number using base 10 |

234



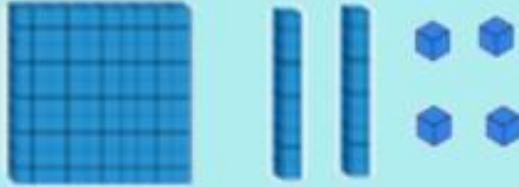
Or draw...

| Thousands | Hundreds | Tens | Ones | Tenths | Hundredths | Thousandths |
|-----------|----------|------|------|--------|------------|-------------|
| | | | | | | |

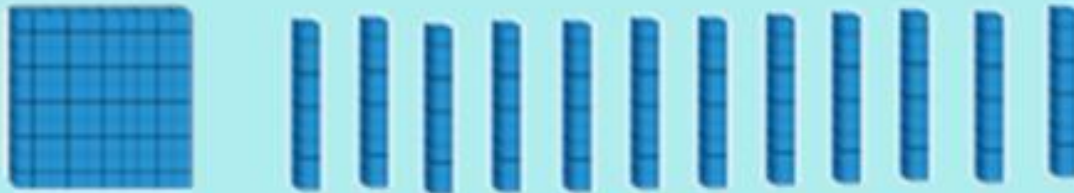
Develop learning

Which child has made the number 112?

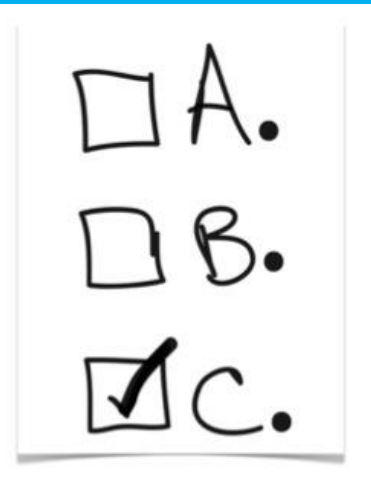
Kate



Jack



How do you know? Discuss



or



Develop learning

Which child has made the number 203?

Kate



Jack



How do you know? Discuss

☐ A.
☐ B.
☒ C.



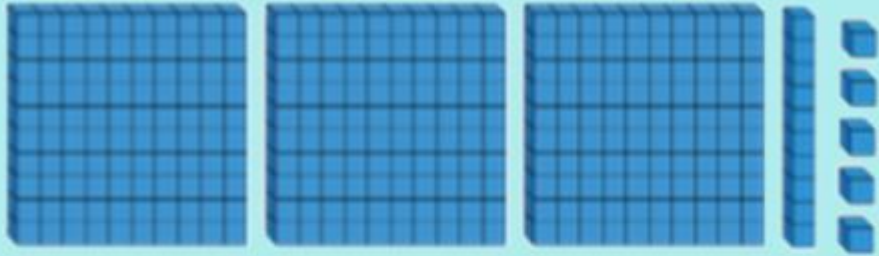
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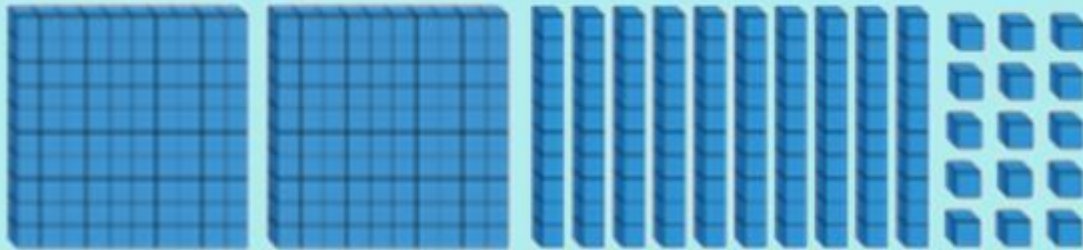
Develop learning

Which child has made the number 315?

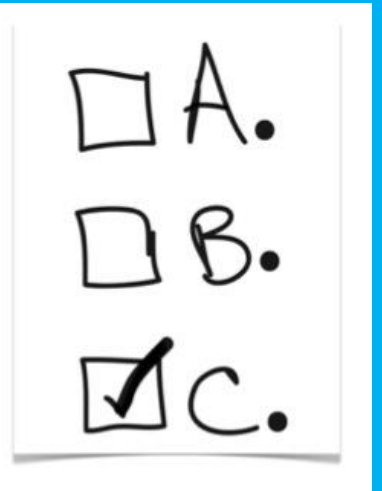
Dora



Mo



How do you know? Discuss

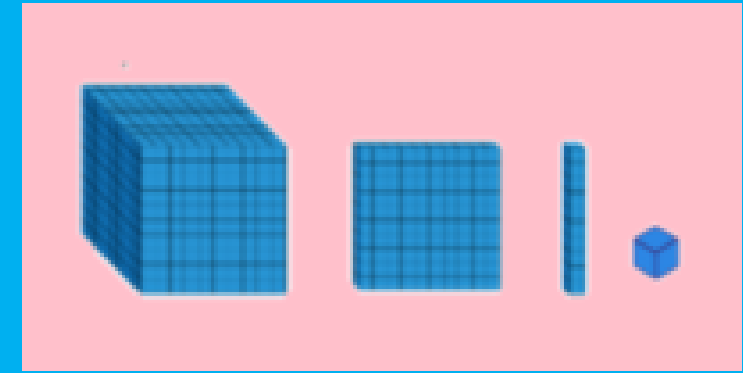


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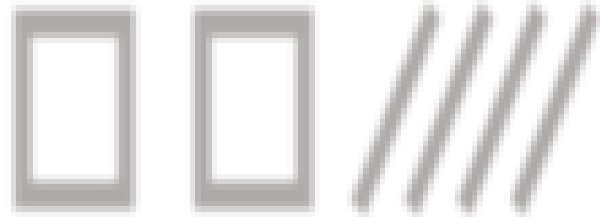


Develop learning

This child has built the following number using Base 10



246

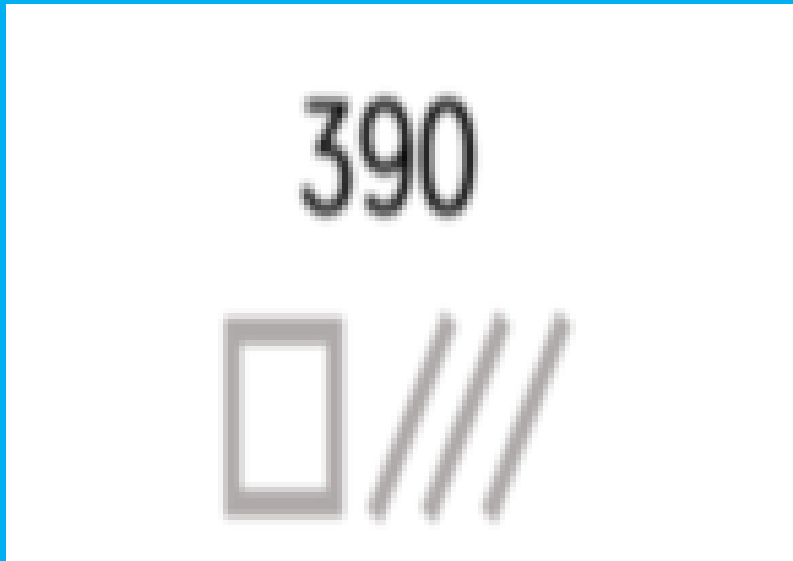
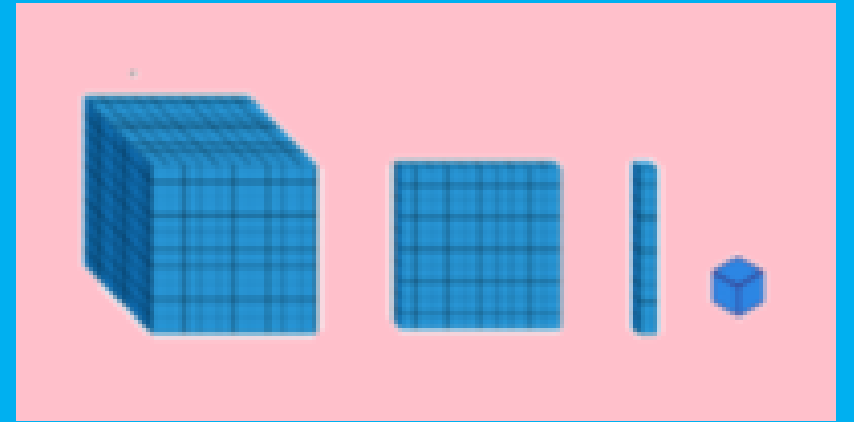


Only when you've got it - don't give the answers away!

What have they done wrong?

Develop learning

This child has built the following number using Base 10

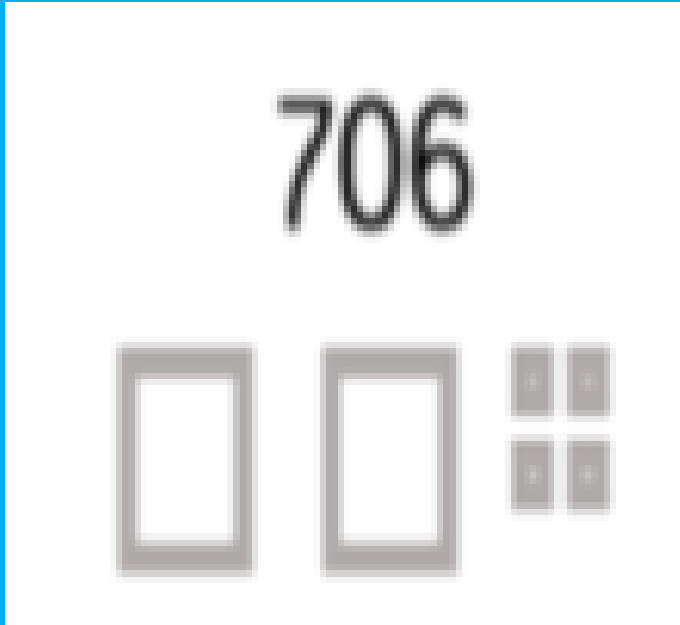
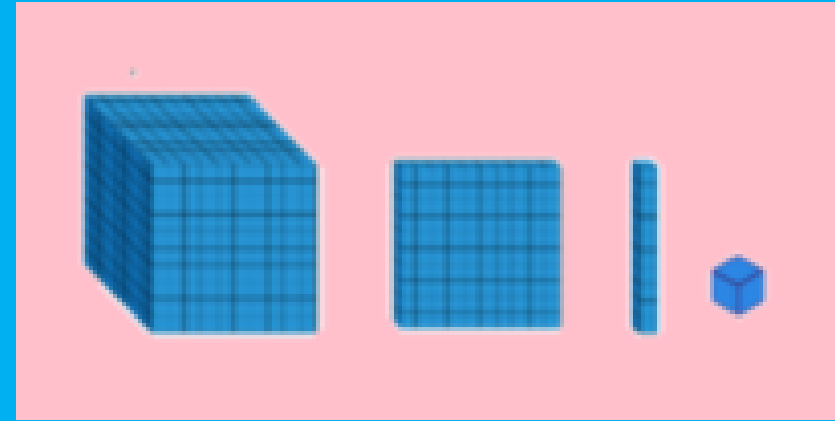


Only when you've got it - don't give the answers away!

What have they done wrong?

Talk Task

This child has built the following number using Base 10

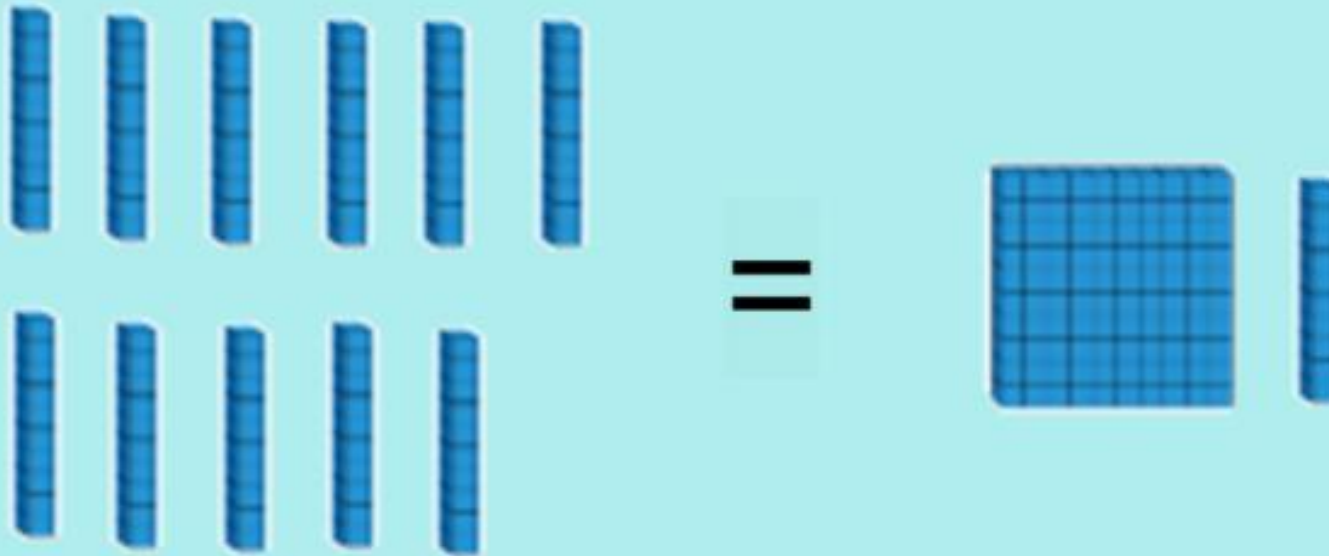


Only when you've got it- don't give the answers away!

What have they done wrong?

Plenary

Can you have more than 9 of the same type of number e.g. 11 tens?



- ☐ A.
- ☐ B.
- ☒ C.



or




To explain the answer

Learning Task

Chilli Challenges!



City Academy
Whitehawk

Mild 

| Thousands | Hundreds | Tens | Ones |
|-----------|----------|------|------|
| Th | H | T | O |
| 4 | 5 | 2 | 8 |

- What is the value of the digit 2?
- What is the value of the digit 8?
- What is the value of the digit 4?
- What is the value of the digit 5?

Spicy 

- What is the value of the digit 7 in the number 7426?
- What is the value of the digit 2 in the number 1026?
- What is the value of the digit 6 in the number 1652?
- What is the value of the digit 4 in the number 14?
- What is the value of the digit 2 in the number 29?

Hot 



Here are the distances in km from London to various cities in the world. Order the journeys from nearest to London to furthest from London.

Ag Carambola 

Jim makes a 4-digit number.

The hundreds digit is a 7.

The tens digit is one more than the thousands digit.

The sum of all the digits is 10.

What number did Jim make?



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

