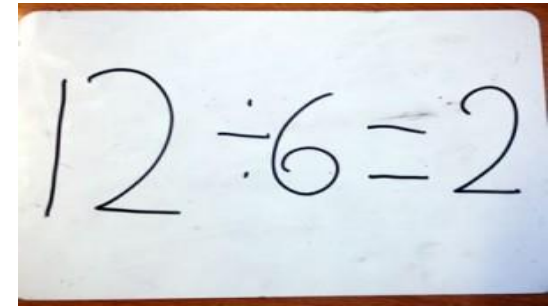
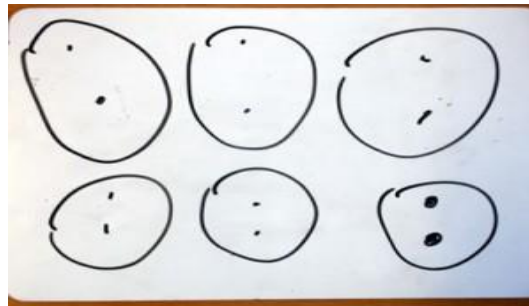


Numeracy Coffee Morning

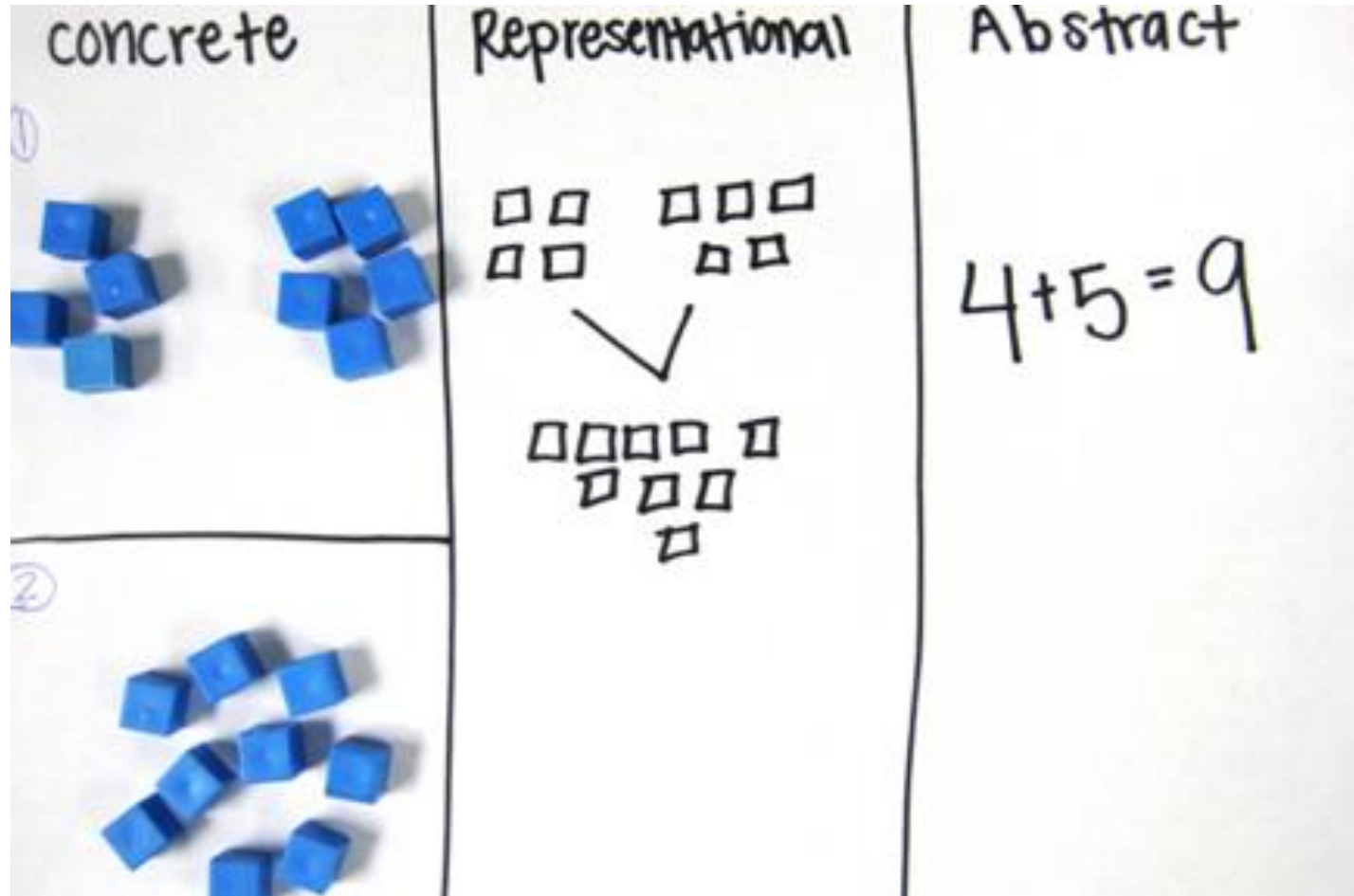
Catherine Holley

How we teach Maths

- ▶ Concrete > Pictorial > Abstract



How we teach Maths



In Nursery and EYFS

- ▶ Always concrete!

Fluency

Reasoning

Problem Solving

Fluency Reasoning and Problem Solving

- ▶ Fluency
 - Children being able to apply their skills to make rapid calculations
 - Small number of calculations , around 5
 - Presented in different ways in different contexts
- ▶ Reasoning
 - Explaining their thinking
 - Justifying answers and giving reasons
- ▶ Problem Solving
 - More open-ended questions
 - Finding their own way to approach and present information in Maths

Fluency Reasoning and Problem Solving

Fluency

Order the numbers from smallest to largest:

23, 32, 27, 30, 19, 41

Use $<$, $>$ and $=$ to make these number sentences correct.

4 tens _____ 40 ones

2 tens _____ 9 ones

4 tens _____ 44 ones

Fluency Reasoning and Problem Solving

Reasoning

If you ordered the numbers, which would be fourth? Explain how you ordered them. 33, 53, 37, 29, 34, 43

Use $<$, $>$ and $=$ to make these number sentences correct.

4 tens + 3 ones $___$ 3 tens + 13 ones

2 tens and 7 ones $___$ 1 ten and 14 ones

5 tens and 2 ones $___$ 4 tens + 15

Fluency Reasoning and Problem Solving

Problem Solving

Bill has written a list of 2 digit numbers.

The digits of each number add up to 5. None of the digits are 0. Can you find all the numbers Bill could have written?

Write the numbers in order from smallest to largest.

Mental Arithmetic

- ▶ Year group expectations

Supporting your children with their Maths homework

- ▶ Use physical resources
 - pasta
 - beans
 - bowls

- ▶ Use other resources
 - hundred squares
 - number lines

Supporting your children with their mental arithmetic

- ▶ Play games
- ▶ Use flashcards
- ▶ Little and often is best
- ▶ ipad and online games
- ▶ Mathletics



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The Details



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