Viscount Beaumont's
C of E Primary School

Welcome to our Maths Parent Workshop

The Key aims of the Maths curriculum

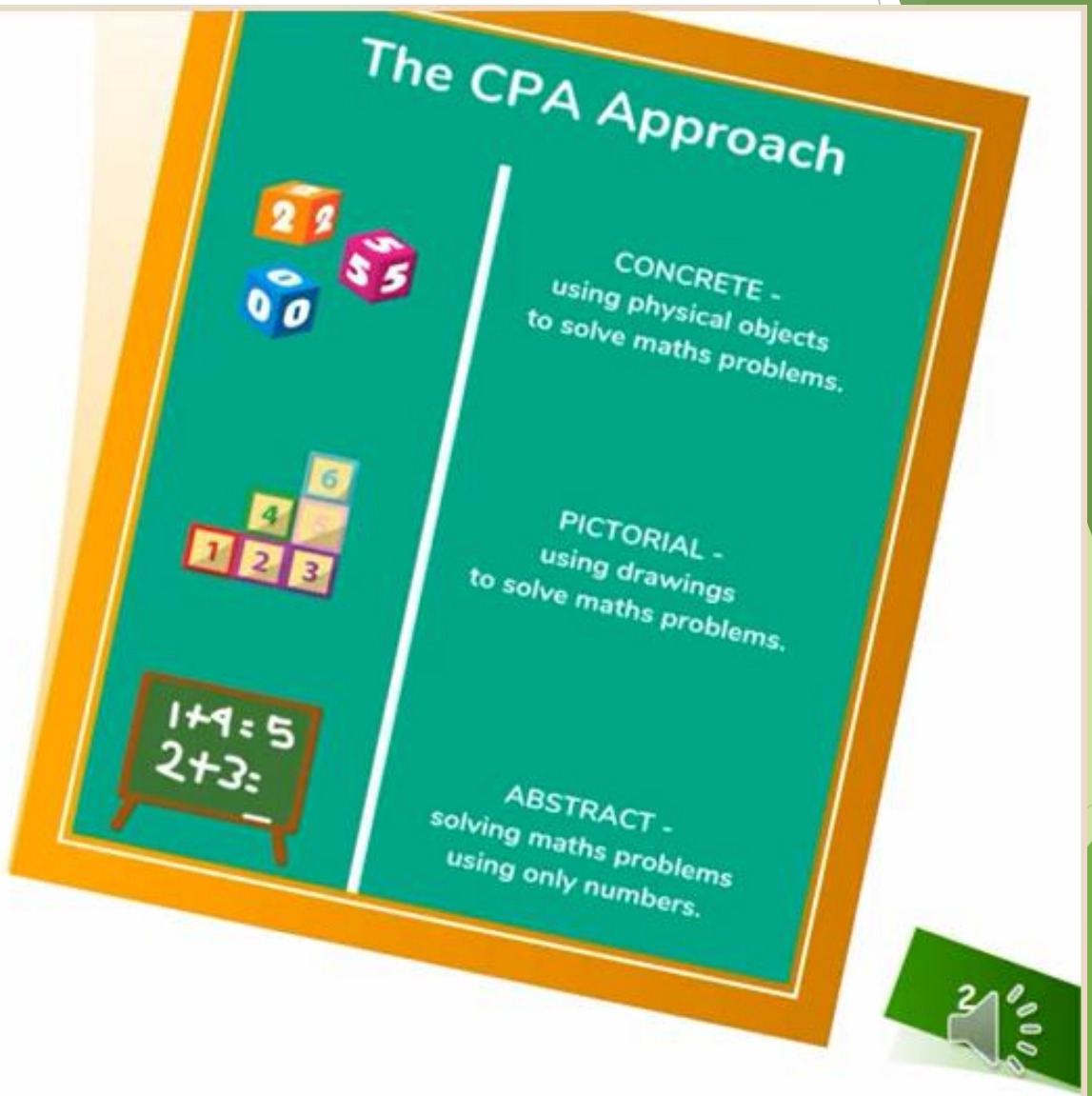
- **Fluent recall** of **mental maths facts** e.g. times tables, number bonds. Etc.
- To **reason** mathematically – children need to be able to **explain** the mathematical concepts with number sense; they must explain **how** they got the answer and **why** they are correct.
- **Problem solving** – applying their skills to real-life contexts.

What does maths look like at our school?

THE CPA APPROACH

The Concrete Pictorial Abstract (CPA) approach is a system of learning that uses physical and visual aids to build a child's understanding of abstract topics.

This approach is used in all year groups for all areas of learning.



CONCRETE

Children might begin by handling real objects...

...then using physical representations of them.

CONCRETE

As part of the CPA approach, new concepts are introduced through the use of physical objects or practical equipment. These can be physically handled, enabling children to explore new mathematical concepts.

Misconception: only lower ability or younger children use concrete objects. Actually, all year groups use manipulatives.

CPA EXAMPLE

$5 \times 6 = 30$

CONCRETE PICTORIAL ABSTRACT

Although the CPA approach is presented as three distinct stages, it is important to go back and forth between each representation to reinforce concepts

Making Learning Stick!

- Using retrieval questions allows pupils to draw on previous learning to support new learning and to make learning move into the long term memory.

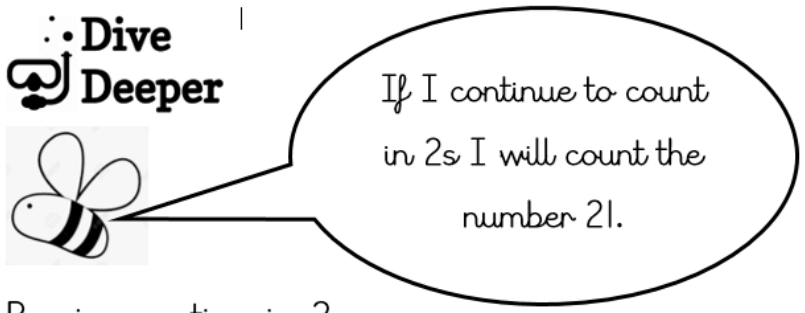
I can order objects.

Retrieval Practice: *(Use your book for any working out)*		
Last Term	Last Month	This/Last week
1) Write in the missing numbers. 2, 3, ____, 5, 6, ____	2) _____ is greater than _____. 	3) Use the symbols < > and = 2 8

Dive Deeper				
Draw it	Explain it	Make a mistake	Tell a Maths story	Prove it

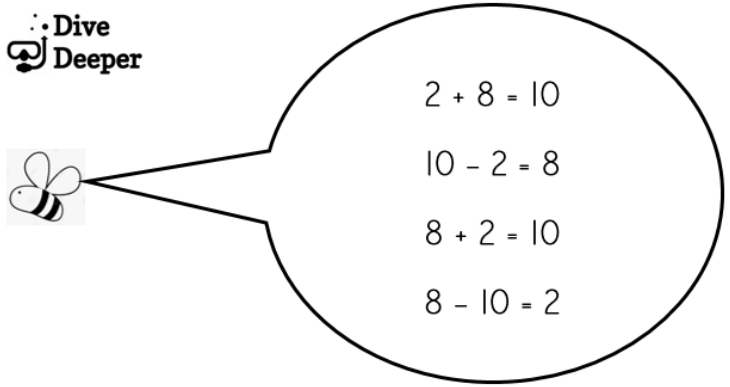
Challenge:

KS1



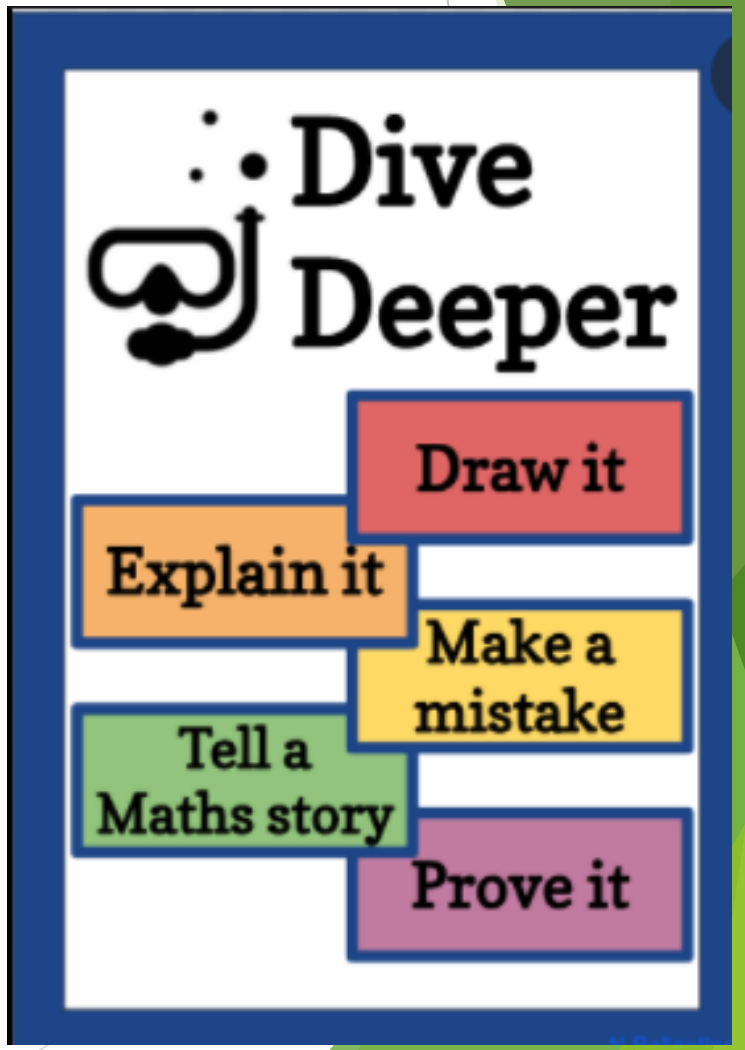
Bee is counting in 2s...

Is this correct? Convince me.



What mistake has Bee made? Explain it.

KS2



Numbots

In year 1 and 2 as part of our work on maths fluency your child will receive a Numbots login. As your child's fluency progresses so will the programme.

Help at home

To help your child at home please support the practise of number fluency using your Numbots login 3-4 times a week. Again - little and often.

Times Tables

In year 4, children are expected to know times tables up to 12x12.

Help at home

To help your child at home please support your child to practise their times tables at least 4 times per week. The idea is little and often.

Please stay and look around!

- We have left resources around the room to show you what maths looks like at Viscount Beaumont's Primary School using this approach. Please feel free to walk around and see the methods we use in school for the 4 operations + - ÷ x.