

Maths - Year 2

Calculating 1: Adding and writing adding sentences

Key Vocabulary

Add	Combine two or more amounts to make a total.
Plus	Add. Also a symbol for add (+).
Total	The result of addition. The whole amount of numbers or objects combined.
Combine	Join together.
Altogether/together	The total of two or more amounts combined.
Pattern	A set of ordered numbers, shapes or objects.
Equals	The same in number or amount.

Mathematical Skills

- Understand that adding things together or gaining more means you have a larger amount/an increase.
- See a total without counting by putting Numicon shapes/number rods together to form a larger shape/longer rod.
- Say an adding sentence/story and show it with apparatus.
- Read an adding sentence.
- Write an adding sentence from apparatus and from an everyday problem.
- Know when to add within daily routines and when faced with mathematical problems.
- Know how and when to use their knowledge of the commutative property to help solve problems.
- Know when to use the '+' symbol.
- Are confident with the '=' symbol, showing understanding of equivalence.

Mathematical Methods

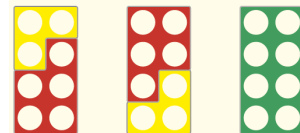
- Revising adding structures, and writing and reading adding number sentences.

E.g. Two groups of children were in the pool; one was a group of five confident swimmers in the deep end. The other was a group of three beginners that stayed at the shallow end. What is the total number of children?



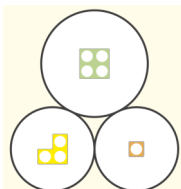
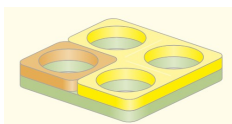
$$5 + 3 = 8$$

- Revising the commutative property of adding e.g. $5 + 3 = 8$ and $3 + 5 = 8$



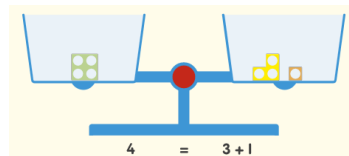
- Thinking about visualising e.g. visualising and describing Numicon shapes to support addition.

- Parts and wholes.



$$\begin{aligned} 4 &= 3 + 1 \\ 4 &= 1 + 3 \\ 4 &= 2 + 2 \end{aligned}$$

$$\begin{aligned} 3 + 1 &= 4 \\ 1 + 3 &= 4 \\ 2 + 2 &= 4 \end{aligned}$$



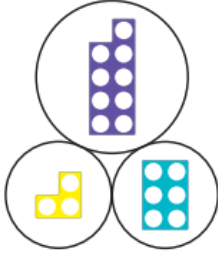
- Adding mentally by visualising Numicon shapes e.g. $4 + 5 =$

- Target Board with numerals. E.g. find the number with questions such as 'Find two numbers, not next to each other, that equal...when adding together; Choose two numbers next to each other and say the number fact for them; The total is Which numbers could I add together?'

2	4	0	1
6	5	9	10
7	8	10	3

Can you..?

- Eva has 12 blue stickers and 3 yellow stickers. How many stickers does she have altogether? Can you write the number sentence?
- Can you write some adding sentences for this part and whole model?



- Roll the dice to get two numbers. Can you use the numbers in an adding sentence? Now can you use the numbers in a different adding sentence?