

Maths - Year 2

Calculating 1: Adding and writing adding sentences

| Key Vocabulary | | Mathematical Skills |
|---------------------|--|--|
| Add | Combine two or more amounts to make a total. | <ul style="list-style-type: none"> - 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. |
| 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 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?



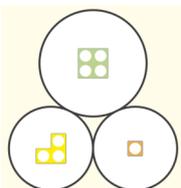
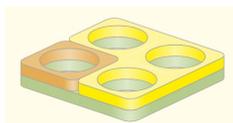
$$5 + 3 = 7$$

- 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.



$4 = 3 + 1$

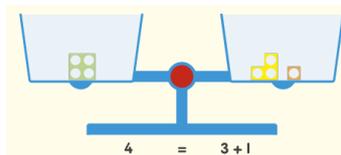
$3 + 1 = 4$

$4 = 1 + 3$

$1 + 3 = 4$

$4 = 2 + 2$

$2 + 2 = 4$



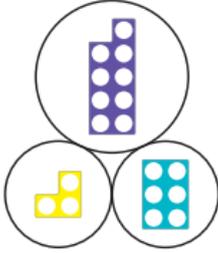
- Adding mentally by visualising Numicon shapes e.g. $4 + 5 =$

- 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?