

Maths - Year 2

Calculating 3: Adding and subtracting facts

Key Vocabulary

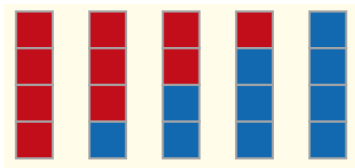
Subtract	Taking one amount from another.
Take away	Subtraction.
Minus	Subtract or take away. Also a symbol for subtraction '-'.
Increase	Getting bigger in size or value.
Decrease	Getting smaller in size or value.
Altogether/ together/total	The result of adding two or more amounts together.
Equals	The same in number or amount.
Combination	Two or more objects or amounts joined together.
Pattern	A set of ordered numbers, shapes or objects.

Mathematical Skills

- Write adding and subtracting sentences in order.
- Work systematically.
- Spot patterns and make predictions from them.
- Understand that putting things in a logical order helps to ensure nothing has been left out.
- Spot the missing combination.
- Have fluent recall of adding and subtracting facts for each number to 10.

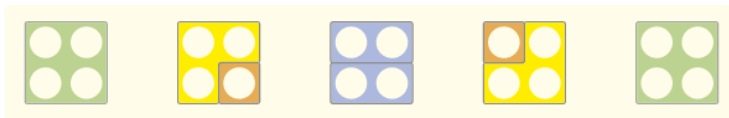
Mathematical Methods

- Finding combinations and putting them in order.

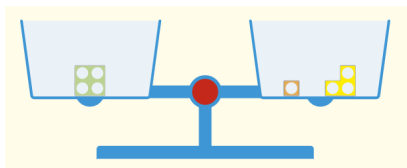


$$\begin{array}{l} 4 + 0 = 4 \\ 3 + 1 = 4 \\ 2 + 2 = 4 \\ 1 + 3 = 4 \\ 0 + 4 = 4 \end{array}$$

- Using Numicon shapes and number rods to show adding to 4.



- Finding combinations using the Numicon pan balance.



- Generalising possibilities and creating stories. E.g. 'There are four birds in the garden. Some are blackbirds and some are sparrows. How many blackbirds and how many sparrows might there be?'

- Finding combinations for each number, 5 - 10.

$$\begin{array}{ll} 5 + 0 = 5 & 2 + 3 = 5 \\ 4 + 1 = 5 & 1 + 4 = 5 \\ 3 + 2 = 5 & 0 + 5 = 5 \end{array}$$

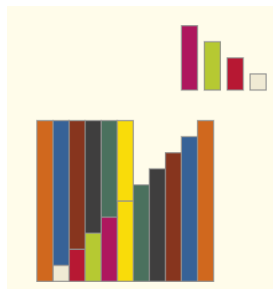
- Writing a pattern with subtracting sentences.

10 in basket and 1 scanned,
so 9 left, $10 - 1 = 9$

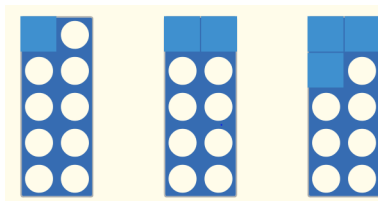
10 in basket and 2 scanned,
so 8 left, $10 - 2 = 8 \dots$

- Subtracting patterns with number rods.

$$\begin{aligned} 10 - 1 &= 9 \\ 10 - 2 &= 8 \\ 10 - 3 &= 7 \\ 10 - 4 &= 6 \dots \end{aligned}$$



- Subtracting patterns with Numicon shapes.

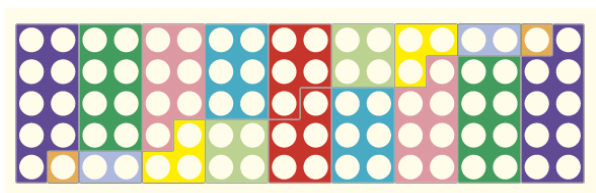


$10 - 1 = 9$

$10 - 2 = 8$

$10 - 3 = 7$

- Using order to find missing combinations to 10.



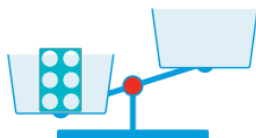
Can you..?

- Can you write number sentences to answer these questions?

4 birds are sitting on a wall.
6 more birds join them.
How many birds are there?

Now 4 birds fly away.
How many birds are left?

- I have put a 6-shape in the pan balance. Can you find two Numicon shapes that will balance with 6?



- Can you finish this sentence? Now can you write this as a number sentence?

9 is the same

as add .