

## Maths - Year 2

### Pattern and Algebra 2: Exploring the inverse relationship between adding and subtracting within 10

#### Key Vocabulary

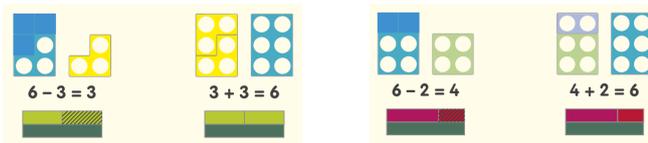
Add	Combine two or more numbers or amounts to make a total.
Plus	Add. Also a symbol for addition (+).
Subtract	Taking one amount from another.
Take away	Subtract.
Minus	Subtract. Also a symbol for subtraction (-).
Equals	The same in number or amount.

#### Mathematical Skills

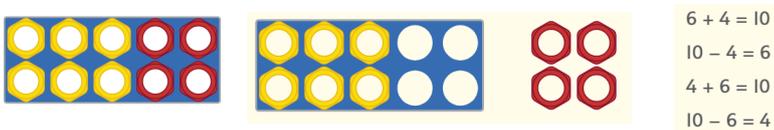
- Say and write a subtracting sentence connected to an adding sentence.
- Say and write an adding sentence connected to a subtracting sentence.
- Begin to understand that using the inverse relationship between adding and subtracting can be helpful when solving problems.

#### Mathematical Methods

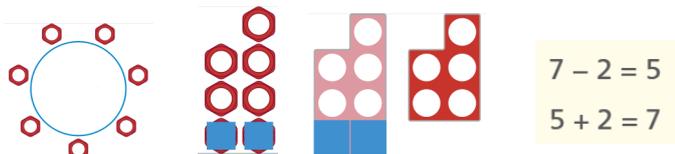
- Beginning to see connections between subtracting and adding.



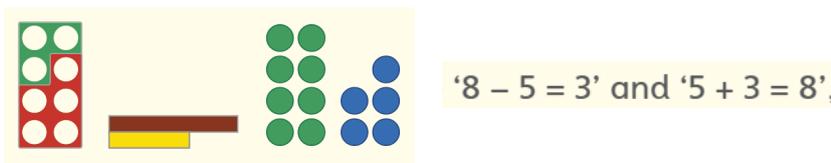
- Exploring connections between adding and subtracting e.g. 10 children sit at a lunch table. Four children finish their lunch and go out to play. How many children are left at the table?



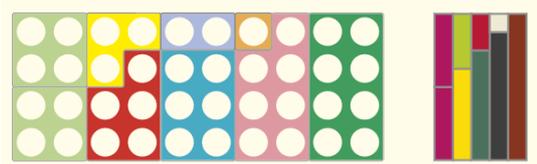
- Using the structure of Numicon shapes to organise a problem e.g. Seven children were sitting down having a picnic. Two children got up to play. How many children were left sitting down?



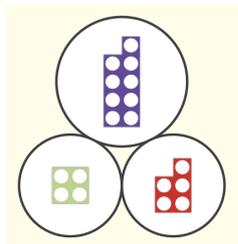
- Exploring inverse in a 'comparing' subtraction problem e.g. In the school dinner hall, there are two tables. There are eight children sitting at a square table and five children sitting at a round table. How many more children are sitting at the square table?



- Learning related adding and subtracting facts for numbers to 10 e.g. 8.



- Exploring part-whole relationships.



$$\begin{array}{l} 9 - 4 = 5 \quad 9 - 5 = 4 \\ 5 + 4 = 9 \quad 4 + 5 = 9 \end{array}$$

### Can you..?

- Can you solve these calculations?

$$6 + \square = 7$$

$$\square = 4 + 4$$

$$\square + 3 = 10$$

- There are two Numicon shapes in a bag. Their total is 7. One is a 2-shape. Can you write a number sentence to show this?