

Maths - Year 3

Calculating 1: Developing fluency with adding and subtracting facts to 10

Key Vocabulary

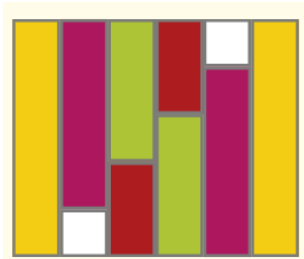
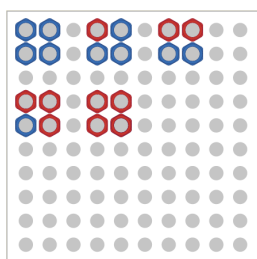
Combine	To add/total numbers together
Compare	To examine the similarities and differences
Difference	The value of subtracting one number from another.
Estimate	An educated guess, close to the actual.
Systematic	To tackle problems in a logical and planned way.

Mathematical Skills

- Spot patterns in numbers by working systematically.
- Add and subtract facts to 10 to add and subtract within 20.
- Use fluent recall of adding and related subtracting facts, including doubles.
- Understand that numbers can be added in any order i.e. adding has a commutative property.
- Understand that commutative property facts are equivalent e.g. $2 + 4 = 4 + 2$

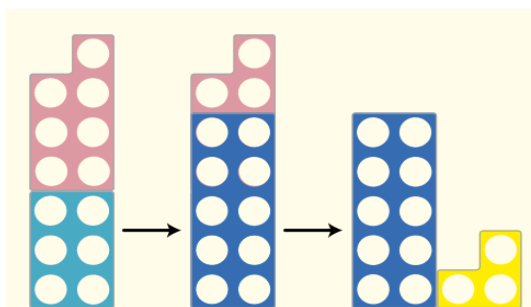
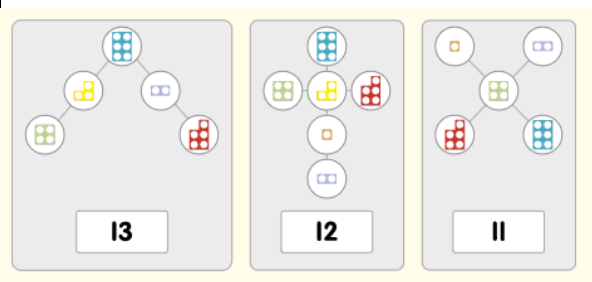
Mathematical Methods

Systematically find combinations of numbers up to 10, using addition and subtraction.



Number	Possible ways for subtracting	Possible ways for adding
3	4	4
4	5	5
5	6	6
6	7	7
7	8	8
8	9	9
9	10	10
10	11	11

Use this knowledge to make numbers bigger than 10, with an understanding of tens and ones.



Can you..?

Find all the ways of making 9 using addition and subtraction.

Explain how you know you have found all of the ways.

Fill in the missing numbers: $4 + \square = \square + 3$

Use Numicon shapes to solve this:

