

Maths - Year 2

Calculating 12: Adding three or more 1-digit numbers

Key Vocabulary

Combine	Join together.
Add	Combine two or more amounts to make a total.
Whole tens/Tens numbers/ multiples of 10	The result of multiplying a number by 10. Numbers in the ten times tables e.g. 10, 20, 30, 40, 50 etc.
Equals	The same in number or amount.
Adjust	To make a small change to something.
Total	The result of addition. The whole amount of numbers or objects combined.

Mathematical Skills

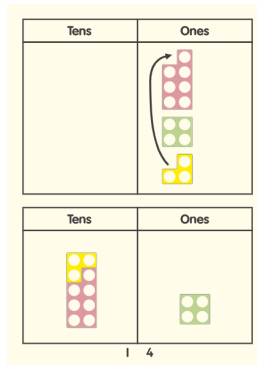
- Recall number facts to 10 and know when to use these to help with adding problems.
- Recall doubles of numbers 1 - 10 and know when to use these to help with adding problems.
- Explain that numbers can be added in any order and the total remains the same.
- Choose strategically which pair of numbers to add first.
- Calculate rather than count in ones to find a total.
- Understand that the tens and ones must be in the correct columns when writing column additions.

Mathematical Methods

- Adding three 1-digit numbers.



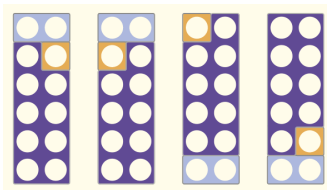
- Using a tens and unit frame for adding.



$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 7 \\
 4 \\
 + \quad 3 \\
 \hline
 1 \quad 4
 \end{array}$$

- Finding three Numicon shapes or number rods for a given total and using the commutative property of adding.

$$\begin{array}{l}
 1 + 2 + 9 = 12 \\
 1 + 9 + 2 = 12 \\
 2 + 1 + 9 = 12 \\
 2 + 9 + 1 = 12 \\
 9 + 2 + 1 = 12 \\
 9 + 1 + 2 = 12
 \end{array}$$



- Using adding facts to 10 to add without counting, e.g. Finding the total of a set of 1 - 1- shapes without counting.

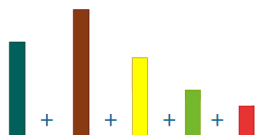


- Shopping with 20p e.g. You have 20p to spend and you can only buy four items. Which items can you buy?

- Finding totals with money.

T O	T O
2 0p	5 p
5 0p	2 p
+ 2 p	+ 2 0p
<u>7 2p</u>	<u>2 7p</u>

- Finding totals with 5 or more Numicon shapes or rods.



Can you..?

- Can you explain how you would solve these number sentences?

$$8 + 4 + 6 =$$

$$5 + 3 + 2 + 6 =$$

- Look at these calculations. Do you think it is easier to add up the numbers in the order they are written or to change the order? Explain your thinking.

$$6 + 6 + 3 =$$

$$8 + 9 + 2 =$$