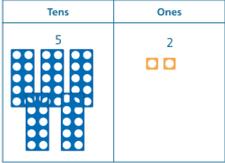


Maths - Year 1

Calculating 9: Partitioning into tens and ones

Key Vocabulary

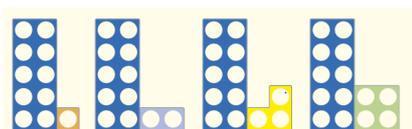
Add	Combine two or more amounts/numbers to make a total.
Subtract	Take one thing away from another, decreasing the size of something or finding the difference between two numbers.
Pattern	A set of ordered numbers, shapes or objects.
Tens	Refers to the number of tens in a number e.g. on a place value grid. <div style="text-align: center;">  </div>
Ones	Refers to the number of ones or units in a number.
Teens numbers	Numbers 11-19.
2-digit number	Numbers that contain two digits e.g. 32.
Partition	Splitting a number in different ways, usually to help with calculating, e.g. 27 can be partitioned into 2 tens (20) and 7 ones (7).
Equals	The same in number or amount.

Mathematical Skills

- Partition a teen number into a ten and ones, and recombine them to make a teen number.
- Use structured apparatus to help partition any 2-digit number into tens and ones.
- Know when to partition into tens and ones to help solve a problem.
- Begin to understand the equivalence between quantity values and column value.

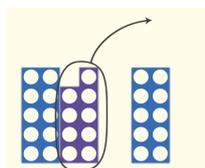
Mathematical Methods

- Partitioning teen numbers into a ten and ones.

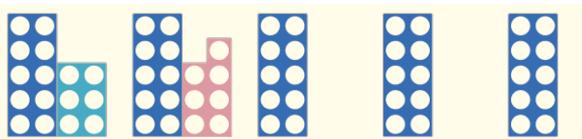


$$\begin{aligned} 11 &= 10 + 1 \\ 12 &= 10 + 2 \\ 13 &= 10 + 3 \\ 14 &= 10 + 4 \end{aligned}$$

- Subtracting ones from a teen number e.g. There are 19 people on the bus and 9 get off. How many are left?



- Subtracting from numbers 11-20.



$$\begin{aligned} 20 - 10 &= 10 \\ 19 - 9 &= 10 \\ 18 - 8 &= 10 \end{aligned}$$

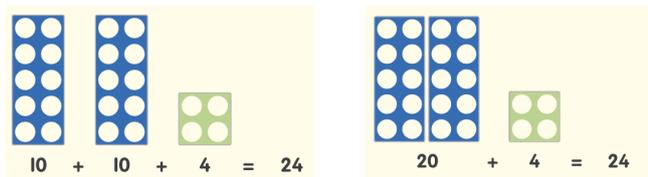
- Subtracting 10 from a teen number.



20 - 10 = 10
19 - 10 = 9
18 - 10 = 8

- Beginning to partition numbers 20-30 into separate tens and ones e.g. 25 = 10 + 10 + 5.

- Finding the total when adding ones to tens numbers.



10 + 10 + 4 = 24 20 + 4 = 24

Can you..?

- Pick a Numicon Shape that is less than 10. Add 10. What number have you made? Add another 10. What number have you made? Can you tell me about any patterns you find?

- Which two Numicon shapes will balance with 10 + 6. Can you find more than one answer?

