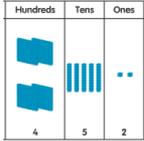


Maths - Year 4

Calculating 4: Developing fluency with mental subtracting strategies

Key Vocabulary		
Hundreds/ tens/ones	Refers to the value of a digit in a number.	
Bridging	Partitioning (splitting) the number to be added or subtracted to help with calculating, e.g. $8 + 9 = (8 + 2) + 7 = 17$.	
Rounding	Increasing or decreasing a number or amount to make it closer to (usually) a multiple of ten, or a whole measuring unit, e.g. rounding 353 to 350 or 89 cm to 1 metre.	
Adjusting/ compensating	Make a small change to a calculation to support working out.	
Multiple of 10	Numbers that can be divided exactly by 10, without leaving a remainder.	

- #### Mathematical Skills
- Quickly subtract multiples of 10.
 - Round numbers in a calculation to multiples of 10 and explain their decisions.
 - Recognise 'difference' and 'take away' as subtracting structures.
 - Use the inverse relationship between adding and subtracting and patterns in similar calculations to find missing numbers.
 - Look carefully at a calculation and, without calculating, suggest one that is equivalent.
 - Look carefully at the numbers involved in a calculation and weigh up alternative strategies.

Mathematical Methods

- Exploring 'difference' and 'take away' structures with multiples of 10.
E.g. $160 - 40 = 120$ (taking away) or $160 - 120 = 40$ (finding the difference).

- Looking for patterns in similar calculations e.g.

$$56 - 26 = 30$$

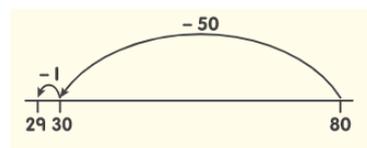
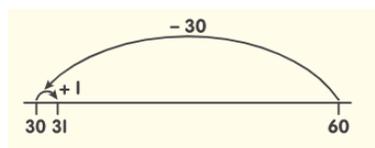
$$56 - 36 = 20$$

$$56 - 46 = 10$$

- Subtracting by rounding and adjusting e.g. $60 - 29$

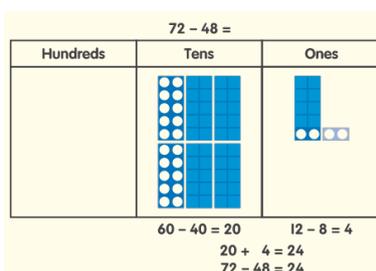
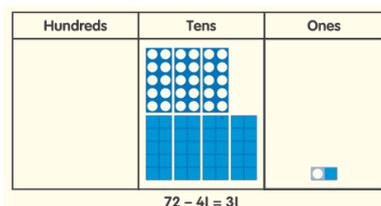
or

$80 - 51$.



- Adjusting and balancing subtracting sentences e.g. $59 - 25 = 60 - 26$.

- Partitioning and subtracting using apparatus.



Can you..?

- Tia has £2.50 and spends £1.80. How much does she have left?
- Complete $52 - \square = 50 - 25$.
- Use partitioning to solve $103 - 68$.
- Solve $154 - \square = 87$