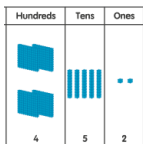


## Maths - Year 4

### 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.

$$56 - 26 = 30$$

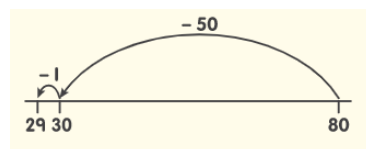
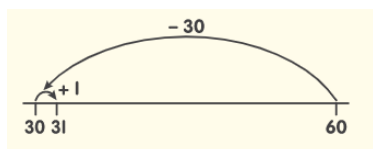
$$56 - 36 = 20$$

$$56 - 46 = 10$$

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

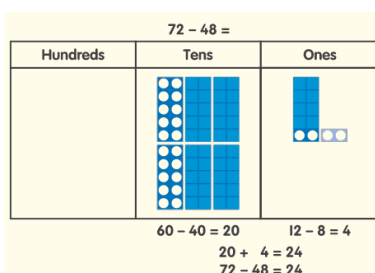
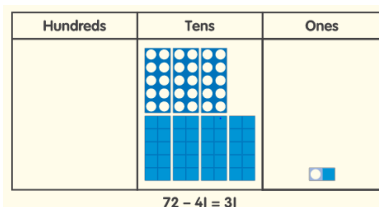
or

$80 - 51$ .



- 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  $154 - \square = 87$