

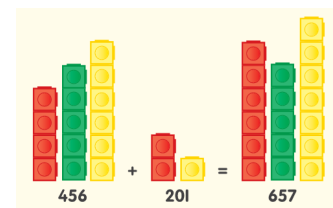
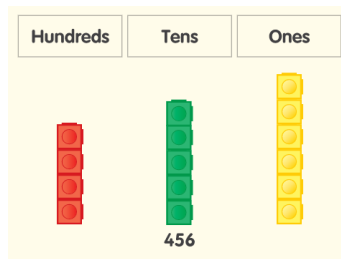
Maths - Year 5

Calculating 3: Further strategies for adding and subtracting

| Key Vocabulary | | Mathematical Skills |
|-------------------------|--|--|
| Bridging | Partitioning the number to be added or subtracted to help with calculating. | <ul style="list-style-type: none"> - Fluent recall of adding and subtracting facts to 10 and 100, using flexibly when calculating mentally. - Confidently explain their strategy for adding and subtracting. - Recognise when to use rounding and adjusting as a calculating strategy and do this confidently. - Recognise when to use their understanding of place value and partitioning as a calculating strategy and do this confidently, including with decimals. - Recognise when to use the strategy of creating equivalent alternatives by adjusting and compensating and do this confidently. - Recognise when to use a column method for adding and subtracting and do this confidently. |
| Partitioning | Splitting a number in different ways. | |
| Compensating | Adjusting numbers to make a calculation easier. | |
| Carrying/ exchanging | Transferring digits from one place value column to another to support calculating. | |
| Complements | Numbers that are added together to make a given total. | |

Mathematical Methods

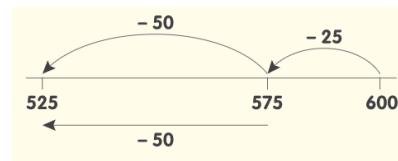
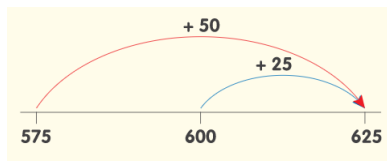
- Calculating mentally with large numbers using place value.



- Adding and subtracting by rounding and adjusting e.g. $534 + 196 = 534 + 200 - 4$.

- Adjusting adding and subtracting sentences using non-computational reasoning, e.g.

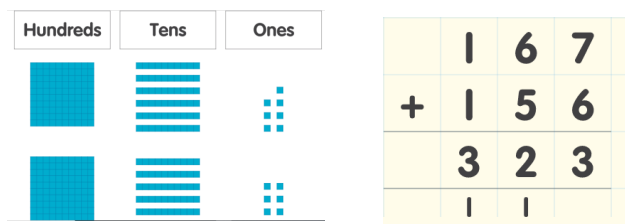
$575 + 50 = 600 + 25$.



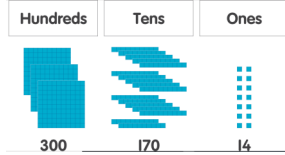
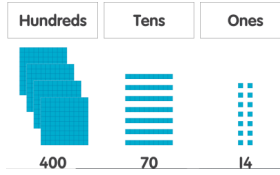
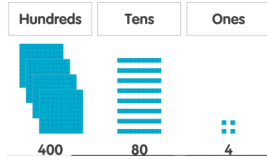
- Adding decimals using a partitioning strategy.



- Using column method for adding e.g. $167 + 156$.



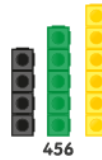
- Using a column method for subtracting e.g. $484 - 386$.



| | | | | |
|---|----------------|-----------------------------|----------------|--|
| | 3 4 | 1 7 8 | 1 4 | |
| - | 3 | 8 | 6 | |
| | | 9 | 8 | |
| | | | | |

Can you..?

- Molly adds 4 yellow cubes. What is the new total?



- Find the missing number. $695 - 40 = 700 - \square$

- Solve a) $3.8 + 2.4$ b) $3.8 - 2.4$

- How much will I spend if I buy a pizza for £9.85 and a sandwich for £2.89

- How much change will I have left over from £16.23?

- Use the written column method to calculate $7803 - \square = 4719$