In this unit we will …
- Add and subtract 3-digit numbers
- Decide if we need to exchange
- Exchange across more than one column
- Learn how to check our answers in different ways
- Use bar models to solve 1- and 2-step problems

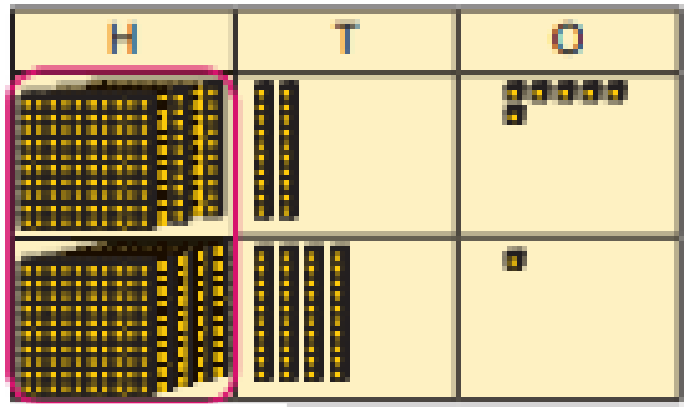
# Year 3
# Addition and Subtraction

**National Curriculum Link – Year 3 addition and subtraction**
- Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.
- Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds.
- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

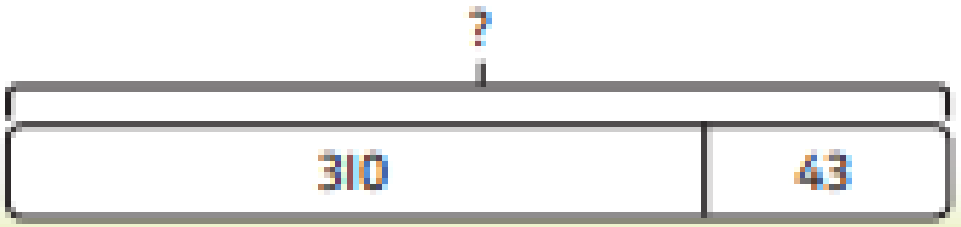
| Key Vocabulary | |
|---|---|
| **addition** | The sum of two numbers |
| **subtraction** | The difference between two values |
| **mental method** | Working out the answer in your head |
| **column method** | Adding or subtracting by writing the numbers down in the correct column |
| **exchange** | Swap |

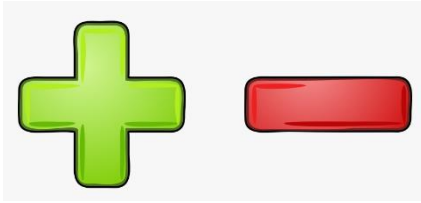
**How does this unit build on prior learning?**
In this unit, children build on previous learning to add and subtract numbers with up to three digits. They begin by using place value equipment and formal written methods of columnar addition and subtraction.

Before they start this unit, it is expected that children:
- know how to partition numbers to 1,000 flexibly
- understand the concept of exchange in addition and subtraction
- know how to represent additions and subtractions using place value equipment and a place value grid.

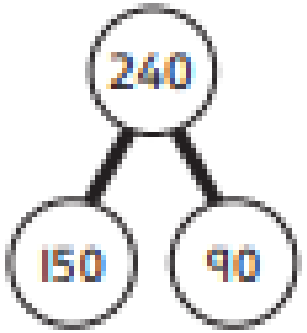


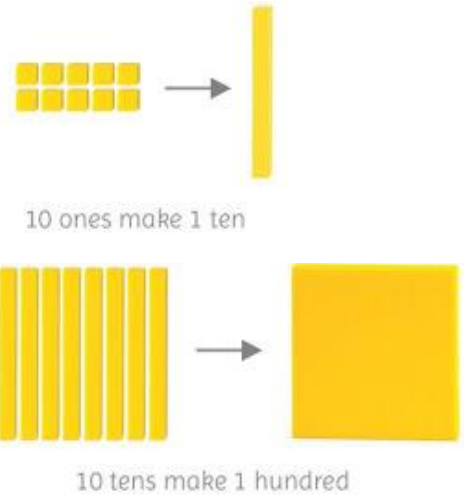

| | H | T | O |
|---|---|---|---|
| | 3 | 2 | 6 |
| + | 5 | 4 | 1 |
| | 8 | 6 | 7 |



| | |
|---|---|
| 1 × 4 = 4 | 1 × 3 = 3 |
| 2 × 4 = 8 | 2 × 3 = 6 |
| 3 × 4 = 12 | 3 × 3 = 9 |
| 4 × 4 = 16 | 4 × 3 = 12 |
| 5 × 4 = 20 | 5 × 3 = 15 |
| 6 × 4 = 24 | 6 × 3 = 18 |
| 7 × 4 = 28 | 7 × 3 = 21 |
| 8 × 4 = 32 | 8 × 3 = 24 |
| 9 × 4 = 36 | 9 × 3 = 27 |
| 10 × 4 = 40 | 10 × 3 = 30 |
| 11 × 4 = 44 | 11 × 3 = 33 |
| 12 × 4 = 48 | 12 × 3 = 36 |




Maths at Alice Ingham

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