

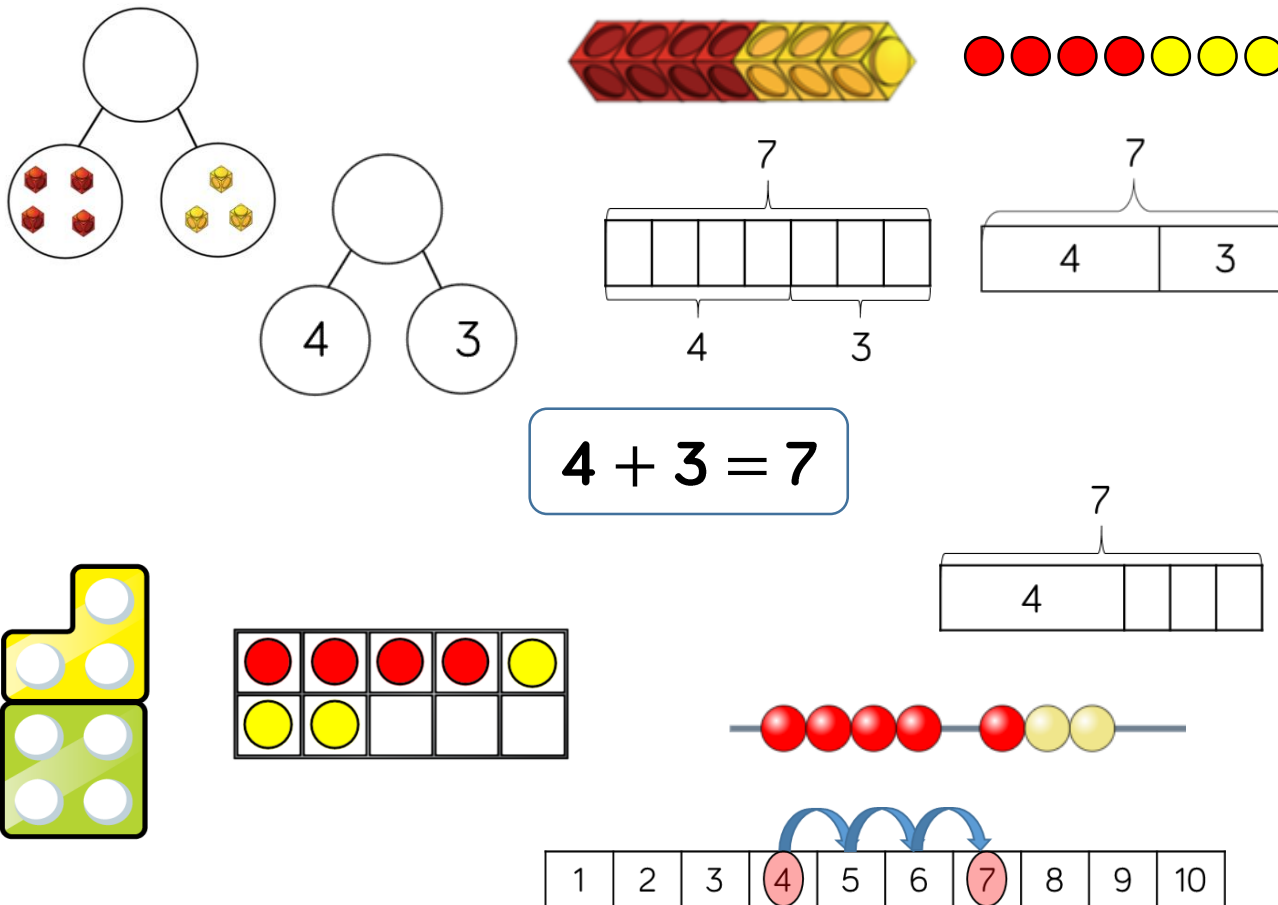
**Addition**

| Skill                            | Year | Representations and models   |   |
|----------------------------------|------|--|---|
| Add two 1-digit numbers to 10    | 1    | Part-whole model<br>Bar model<br>Number shapes                           | Ten frames (within 10)<br>Bead strings (10)<br>Number tracks            |
| Add 1 and 2-digit numbers to 20  | 1    | Part-whole model<br>Bar model<br>Number shapes<br>Ten frames (within 20) | Bead strings (20)<br>Number tracks<br>Number lines (labelled)<br>Straws |
| Add three 1-digit numbers        | 2    | Part-whole model<br>Bar model  | Ten frames (within 20)<br>Number shapes                                 |
| Add 1 and 2-digit numbers to 100 | 2    | Part-whole model<br>Bar model<br>Number lines (labelled)                 | Number lines (blank)<br>Straws<br>Hundred square                        |

| Skill                           | Year | Representations and models                                      |  |
|---------------------------------|------|---|--|
| Add two 2-digit numbers         | 2    | Part-whole model<br>Bar model<br>Number lines (blank)<br>Straws | Base 10<br>Place value counters<br>Column addition |
| Add with up to 3-digits         | 3    | Part-whole model<br>Bar model                                   | Base 10<br>Place value counters<br>Column addition |
| Add with up to 4-digits         | 4    | Part-whole model<br>Bar model                                   | Base 10<br>Place value counters<br>Column addition |
| Add with more than 4 digits     | 5    | Part-whole model<br>Bar model                                   | Place value counters<br>Column addition            |
| Add with up to 3 decimal places | 5    | Part-whole model<br>Bar model                                   | Place value counters<br>Column addition            |

## Skill: Add 1-digit numbers within 10

Year: 1



When adding numbers to 10, children can explore both aggregation and augmentation.

The part-whole model, discrete and continuous bar model, number shapes and ten frame support aggregation.

The combination bar model, ten frame, bead string and number track all support augmentation.