Teacher notes

Laminate the subtraction ten-frame sheet for repeated use with a dry-erase pen.
Children will use manipulatives such as counters to represent the subtraction calculation. Alternatively, this activity can be completed in books.

DEVELOPING   ★ ☆ ☆   Children will be given both partitions in the subtraction calculation.

SECURE   ★ ★ ☆   Children will be given the first partition in the subtraction calculation.

MASTERY   ★ ★ ★   Children will be given no partitions and be required to complete the subtraction calculation themselves.

Step 1: Children will represent the subtraction calculation using counters on the ten frame. They will place the starting number of counters on the ten frame, using a different colour for the second ten frame.

Step 2: Children will then remove the counters to leave 10. Then they will remove the remaining counters from the second partition in the calculation.

Step 3: The counters left will help them complete the subtraction calculation. Children will check their answer using a number line showing each partition subtracted from the starting number, then from 10.
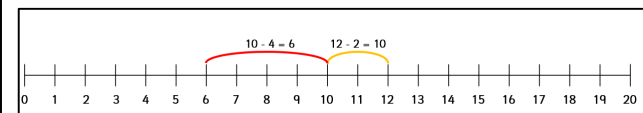
Subtraction ten frames

Select a subtraction calculation. Represent it using counters. Then show it on the number line.

Calculation:

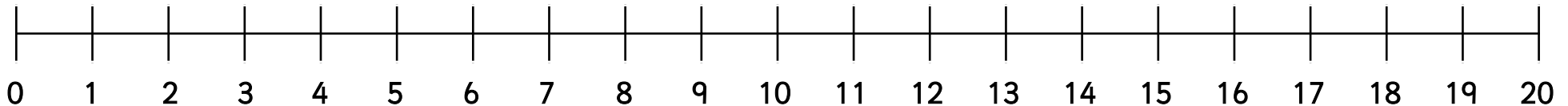0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Subtraction calculations

⭐☆☆

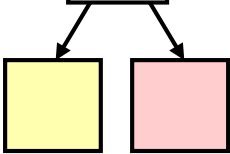Select a subtraction problem and show it on the ten frames to help you complete the calculation.

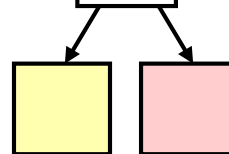| 12 − 3 = ☐	13 − 8 = ☐	13 − 9 = ☐
2 1	3 5	3 6
16 − 8 = ☐	16 − 9 = ☐	11 − 6 = ☐
6 2	6 3	1 5
15 − 7 = ☐	14 − 7 = ☐	14 − 8 = ☐
5 2	4 3	4 4
11 − 7 = ☐	12 − 6 = ☐	19 − 10 = ☐
1 6	2 4	9 1

Subtraction calculations

★ ★ ☆

Select a subtraction problem and show it on the ten frames to help you complete the calculation.

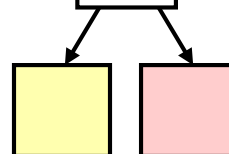| 12 | − | 3 | = | |
| 2 | 🟥 |

| 13 | − | 8 | = | |
| 3 | 🟥 |

| 13 | − | 9 | = | |
| 3 | 🟥 |

| 16 | − | 8 | = | |
| 6 | 🟥 |

| 16 | − | 9 | = | |
| 6 | 🟥 |

| 11 | − | 6 | = | |
| 1 | 🟥 |

| 15 | − | 7 | = | |
| 5 | 🟥 |

| 14 | − | 7 | = | |
| 4 | 🟥 |

| 14 | − | 8 | = | |
| 4 | 🟥 |

| 11 | − | 7 | = | |
| 1 | 🟥 |

| 12 | − | 6 | = | |
| 2 | 🟥 |

| 19 | − | 10 | = | |
| 9 | 🟥 |
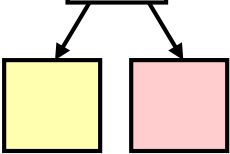
Subtraction calculations
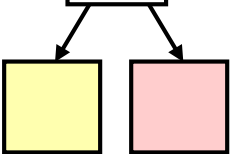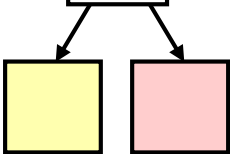
★ ★ ★

Select a subtraction problem and show it on the ten frames to help you complete the calculation.
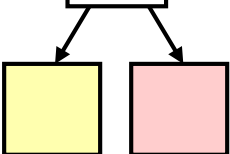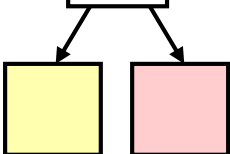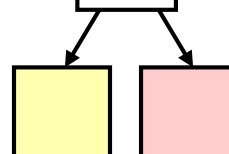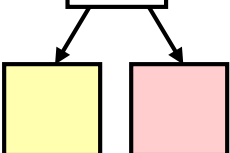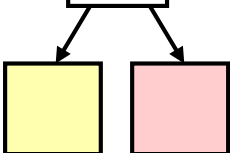
| 12 | − | 3 | = | |

| 13 | − | 8 | = | |

| 13 | − | 9 | = | |

| 16 | − | 8 | = | |

| 16 | − | 9 | = | |

| 11 | − | 6 | = | |

| 15 | − | 7 | = | |

| 14 | − | 7 | = | |

| 14 | − | 8 | = | |

| 11 | − | 7 | = | |

| 12 | − | 6 | = | |

| 19 | − | 10 | = | |
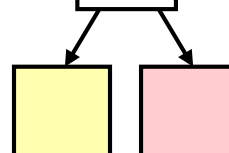
Answers - Subtraction calculations

Select a subtraction problem and show it on the ten frames to help you complete the calculation.

12 − 3 = 9 2 1	13 − 8 = 5 3 5	13 − 9 = 4 3 6
16 − 8 = 8 6 2	16 − 9 = 7 6 3	11 − 6 = 5 1 5
15 − 7 = 8 5 2	14 − 7 = 7 4 3	14 − 8 = 6 4 4
11 − 7 = 4 1 6	12 − 6 = 6 2 4	19 − 10 = 9 9 1

© Primary Stars Education

Select a subtraction problem and show it on the ten frames to help you complete the calculation.

12 − 3 = 9	13 − 8 = 5	13 − 9 = 4
2 / 1	3 / 5	3 / 6
16 − 8 = 8	16 − 9 = 7	11 − 6 = 5
6 / 2	6 / 3	1 / 5
15 − 7 = 8	14 − 7 = 7	14 − 8 = 6
5 / 2	4 / 3	4 / 4
11 − 7 = 4	12 − 6 = 6	19 − 10 = 9
1 / 6	2 / 4	9 / 1

Answers - Subtraction calculations

★ ★ ★

Select a subtraction problem and show it on the ten frames to help you complete the calculation.

12 − 3 = 9 2 | 1	13 − 8 = 5 3 | 5	13 − 9 = 4 3 | 6
16 − 8 = 8 6 | 2	16 − 9 = 7 6 | 3	11 − 6 = 5 1 | 5
15 − 7 = 8 5 | 2	14 − 7 = 7 4 | 3	14 − 8 = 6 4 | 4
11 − 7 = 4 1 | 6	12 − 6 = 6 2 | 4	19 − 10 = 9 9 | 1