

# Addition and Subtraction Strategies

## Multiple Ways to Add and Subtract

### Homework sheet

I know that multiplication and division can be used to solve addition and subtraction problems. I am practising this.

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### Exercise 1

Nelson is using common factors to help solve addition and subtraction problems.

To solve  $27 + 45$ , Nelson did the following working:

$$27 + 45 = (3 \times 9) + (5 \times 9) = 8 \times 9 = 72$$

Do the following problems using Nelson's method. Record the working in your book like Nelson has above.

- |     |                |     |                |     |                |
|-----|----------------|-----|----------------|-----|----------------|
| 1)  | $25 + 15 + 35$ | (2) | $42 + 48 - 18$ | (3) | $14 + 49$      |
| 4)  | $40 - 28$      | (5) | $50 - 15 + 35$ | (6) | $72 - 48$      |
| 7)  | $30 + 48 + 12$ | (8) | $49 - 35 + 21$ | (9) | $27 + 15 - 33$ |
| 10) | $36 - 12 + 18$ |     |                |     |                |

# Multiple Ways to Add and Subtract

## Homework sheet Answers

### Exercise 1

- 1)  $(5 \times 5) + (3 \times 5) + (7 \times 5) = 15 \times 5 = 75$
- 2)  $(7 \times 6) + (8 \times 6) - (3 \times 6) = 12 \times 6 = 72$
- 3)  $(2 \times 7) + (7 \times 7) = 9 \times 7 = 63$
- 4)  $(10 \times 4) - (7 \times 4) = 3 \times 4 = 12$
- 5)  $(10 \times 5) - (3 \times 5) + (7 \times 5) = 14 \times 5 = 70$
- 6)  $(9 \times 8) - (6 \times 8) = 3 \times 8 = 24$  **or**  $(12 \times 6) - (8 \times 6) = 4 \times 6 = 24$
- 7)  $(5 \times 6) + (8 \times 6) + (2 \times 6) = 15 \times 6 = 90$
- 8)  $(7 \times 7) - (5 \times 7) + (3 \times 7) = 5 \times 7 = 35$
- 9)  $(9 \times 3) + (5 \times 3) - (11 \times 3) = 3 \times 3 = 9$
- 10)  $(6 \times 6) - (2 \times 6) + (3 \times 6) = 7 \times 6 = 42$