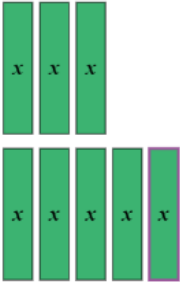
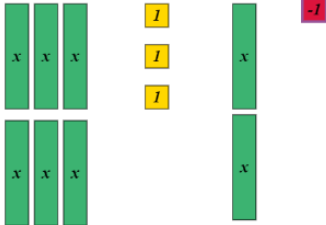
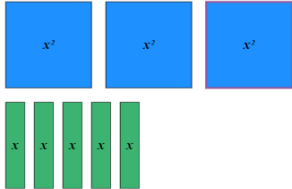
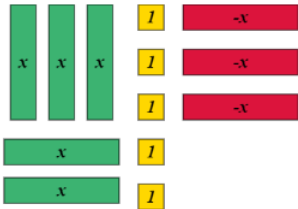
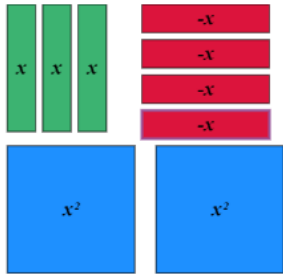
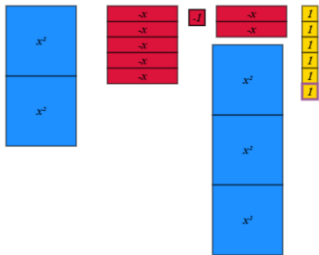


# Main Task Answers

| Row | Algebra tiles diagram answers                                                       | Expression answers | Simplified expression answers |
|-----|-------------------------------------------------------------------------------------|--------------------|-------------------------------|
| 1   |   | $3x + 5x$          | $8x$                          |
| 2   |  | $6x + 3 + 2x - 1$  | $8x + 2$                      |
| 3   |  | $x^2 + 5x + 2x^2$  | $3x^2 + 5x$                   |

|   |                                                                                     |                                 |                 |
|---|-------------------------------------------------------------------------------------|---------------------------------|-----------------|
| 4 |    | $5x + 5 - 3x$                   | $2x + 5$        |
| 5 |   | $3x + 2x^2 - 4x$                | $2x^2 - x$      |
| 6 | <p>(Learner's model from the expression given)</p>                                  | $9x - 3 - x + 8$                | $8x + 5$        |
| 7 |  | $2x^2 - 5x - 1 - 2x + 3x^2 + 6$ | $5x^2 - 7x + 5$ |

|    |  |                               |             |
|----|--|-------------------------------|-------------|
| 8  |  | $x^2 + 7x - 2 - 6x - x^2 - 4$ | $x - 6$     |
| 9  |  | $3x^2 - 15x$                  | $3x(x - 5)$ |
| 10 |  | $\frac{12x}{3}$               | $4x$        |
| 11 |  | $5 \times x \times x$         | $5x^2$      |