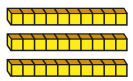
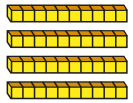
# Multiply up to a 3-digit number by a 1-digit number

## Key learning

- Complete the number sentences.

  Use the place value chart to help you.

| Tens | Ones |
|---|---|
|  |  |
|  |  |

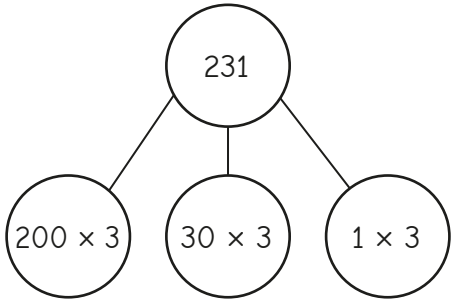
3 ones × 2 = _____ ones

4 tens × 2 = _____ tens

_____ + _____ = _____

43 × 2 = _____

- Scott uses a part-whole model to multiply 231 by 3




1 × 3 = 3
30 × 3 = 90
200 × 3 = 600
231 × 3 = 693

Use a part-whole model to help you work out the multiplications.

43 × 2 | 431 × 2 | 321 × 3 | 53 × 2

- Aisha is using place value counters alongside the written multiplication to work out 212 × 4

| Hundreds | Tens | Ones |
|---|---|---|
| 100 100 | 10 | 1 1 |
| 100 100 | 10 | 1 1 |
| 100 100 | 10 | 1 1 |
| 100 100 | 10 | 1 1 |

| | H | T | O | |
|---|---|---|---|---|
| | 2 | 1 | 2 | |
| × | | | 4 | |
| | | | 8 | (2 × 4) |
| | | 4 | 0 | (10 × 4) |
| | 8 | 0 | 0 | (200 × 4) |
| | 8 | 4 | 8 | |

Use Aisha's method to work out the multiplications.

42 × 2 | 123 × 3 | 423 × 3

- Complete the calculations.

| | H | T | O |
|---|---|---|---|
| | | 3 | 1 |
| × | | | 3 |
| | | | |

| | H | T | O |
|---|---|---|---|
| | 1 | 1 | 2 |
| × | | | 4 |
| | | | |

| | H | T | O |
|---|---|---|---|
| | 3 | 1 | 2 |
| × | | | 3 |
| | | | |