**1** Filip uses a place value chart to help him multiply a 3-digit number by a 1-digit number.

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

**a)** What multiplication is Filip working out?

**b)** What is the answer to Filip's multiplication?

**2** Use place value counters to complete the multiplications.

**a)** 3 × 213          **d)** 6 × 106

**b)** 4 × 216          **e)** 4 × 209

**c)** 5 × 106          **f)** 317 × 3

**3** Complete the multiplication.

Use the place value chart to help you.

| H | T | O |
|---|---|---|
| 100 100 | 10 | 1 1 1 / 1 1 |
| 100 100 | 10 | 1 1 1 / 1 1 |
| 100 100 | 10 | 1 1 1 / 1 1 |

| | H | T | O |
|---|---|---|---|
| | 2 | 1 | 5 |
| × | | | 3 |
| | | | |

**4** Work out the multiplications.

**a)**

| | H | T | O |
|---|---|---|---|
| | 2 | 1 | 7 |
| × | | | 4 |
| | | | |
| | | | |

**b)**

| | H | T | O |
|---|---|---|---|
| | 4 | 3 | 9 |
| × | | | 2 |
| | | | |
| | | | |

**c)**

| | H | T | O |
|---|---|---|---|
| | 1 | 0 | 8 |
| × | | | 6 |
| | | | |
| | | | |

**d)** 163 × 5          **e)** 3 × 240          **f)** 7 × 131

**5** A lorry driver travels 156 km per day.

How many kilometres will the lorry driver have travelled after 3 days?

**6** Ron and Teddy are working out 5 × 245

> I know the answer will be greater than 1,000 because I know 5 × 200 is 1,000

Ron

> I know the answer should end in 5 because I know 5 × 5 is 25

Teddy

**a)** Who is correct?

Ron          Teddy          both          neither

**b)** Use a written method to work out 5 × 245

**4**  Work out the multiplications.

**a)**

|   | H | T | O |
|---|---|---|---|
|   | 2 | 1 | 7 |
| × |   |   | 4 |

**b)**

|   | H | T | O |
|---|---|---|---|
|   | 4 | 3 | 9 |
| × |   |   | 2 |

**c)**

|   | H | T | O |
|---|---|---|---|
|   | 1 | 0 | 8 |
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**a)** Who is correct?

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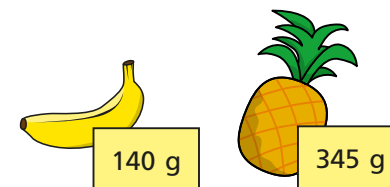**b)** Use a written method to work out 5 × 245

**7**  There are 7 year groups in a school.

There are 112 children in each year group.

How many children are there in the whole school?

**8**  A banana weighs 140 g

A pineapple weighs 345 g

140 g          345 g

Bag **A** contains 8 bananas and bag **B** contains 3 pineapples.

Which bag weighs more and by how much?
Show your working.