# Multiply 3-digits by 1-digit

**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?

$124$ × $3$

b) What is the answer to Filip's multiplication?  $372$

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

a) 3 × 213 = $639$

b) 4 × 216 = $864$

c) 5 × 106 = $530$

d) 6 × 106 = $636$

e) 4 × 209 = $836$

f) 317 × 3 = $951$

**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
      6  4  5
      1
```

**4** Complete the multiplications.

a)
```
   H  T  O
   2  1  7
×        4
   8  6  8
      2
```

b)
```
   H  T  O
   4  3  9
×        2
   8  7  8
      1
```

c)
```
   H  T  O
   1  0  8
×        6
   6  4  8
      4
```

d) 163 × 5
```
   H  T  O
   1  6  3
×        5
   8  1  5
   3  1
```

**e)** 3 × 240

| | H | T | O |
|---|---|---|---|
| | 2 | 4 | 0 |
| × | | | 3 |
| | 7 | 2 | 0 |
| | | 1 | |

**f)** 7 × 131

| | H | T | O |
|---|---|---|---|
| | 1 | 3 | 1 |
| × | | | 7 |
| | 9 | 1 | 7 |
| | | 2 | |

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

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

468km

**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? Circle your answer.

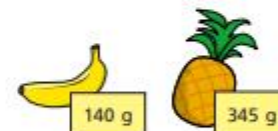Ron      Teddy      (both)      neither

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

1,225

**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?

784

**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.

Bag __A__ weighs 85 g more than bag __B__.