

# 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?

$$\square \times \square$$

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

- 2 Use place value counters to complete the multiplications.

a)  $3 \times 213 =$

d)  $6 \times 106 =$

b)  $4 \times 216 =$

e)  $4 \times 209 =$

c)  $5 \times 106 =$

f)  $317 \times 3 =$

- 3 Complete the multiplication.

Use the place value chart to help you.

| H       | T  | O            |
|---------|----|--------------|
| 100 100 | 10 | 1 1 1<br>1 1 |
| 100 100 | 10 | 1 1 1<br>1 1 |
| 100 100 | 10 | 1 1 1<br>1 1 |

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

- 4 Complete the multiplications.

a)

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

c)

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

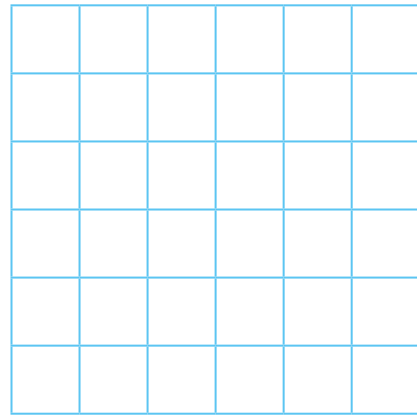
b)

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

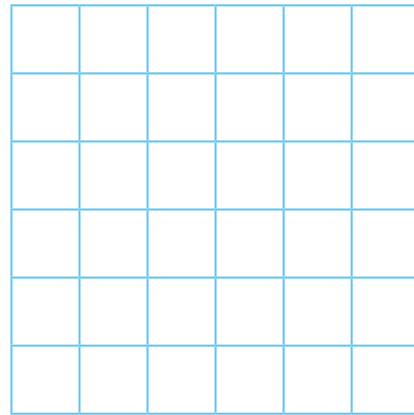
d)  $163 \times 5$

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

e)  $3 \times 240$

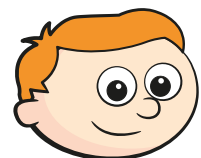


f)  $7 \times 131$



- 5 A lorry driver travels 156 km per day.  
How many kilometres will the lorry driver have travelled after 3 days?

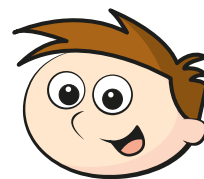
- 6 Ron and Teddy are working out  $5 \times 245$



Ron

I know the answer will be greater than 1,000 because I know  $5 \times 200$  is 1,000

I know the answer should end in 5 because I know  $5 \times 5$  is 25



Teddy

- a) Who is correct? Circle your answer.

Ron

Teddy

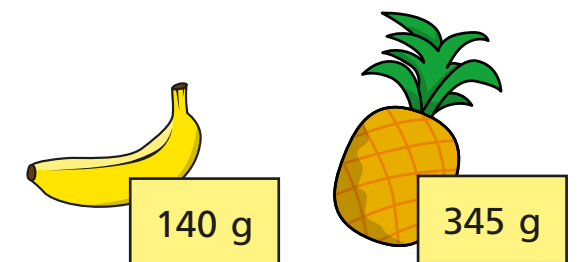
both

neither

- b) Use a written method to work out  $5 \times 245$

- 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



- Bag A contains 8 bananas and bag B contains 3 pineapples.  
Which bag weighs more and by how much?  
Show your working.

Bag \_\_\_\_\_ weighs  g more than bag \_\_\_\_\_.