

1 Complete the multiplications.

a)

Th	H	T	O
			7

 7×10

b)

Th	H	T	O
		3	9

 39×10

c)

Th	H	T	O
	2	0	5

 205×10

d) What happens to the digits when you multiply by 10?

2 Complete the multiplication sentences.

a) $9 \times 10 = \square$ d) $126 \times 10 = \square$ g) $20 \times 10 = \square$

b) $54 \times 10 = \square$ e) $\square \times 10 = 320$ h) $\square \times 10 = 5,000$

c) $10 \times 13 = \square$ f) $10 \times \square = 1,350$

3 Multiply each number by 100 and then by 1,000

a)

HTh	TTh	Th	H	T	O
					9

 9×100
 $9 \times 1,000$

b)

HTh	TTh	Th	H	T	O
				1	6

 16×100
 $16 \times 1,000$

c)

HTh	TTh	Th	H	T	O
			2	4	5

 245×100
 $245 \times 1,000$

d) Explain to a partner how you multiply a number by 100
 Ask them to explain how to multiply by 1,000

4 Work out the multiplications.

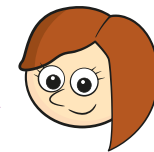
- | | |
|---------------------|--------------------|
| a) 45×100 | c) 41×10 |
| 52×100 | 41×100 |
| 70×100 | $41 \times 1,000$ |
| b) 612×100 | d) 10×952 |
| 715×100 | 100×952 |
| 720×100 | $1,000 \times 952$ |

5 Write $>$, $<$ or $=$ to make the statements true.

- a) 78×10 78×100 c) 930×10 100×93
- b) 100×56 65×100 d) $1,000 \times 482$ 482×100

6

54 × 1,000
 is the same as
 54 × 10 × 10 × 10



Is Rosie correct?
 Explain how you know.

c)	HTh	TTh	Th	H	T	O	245×100
			2	4	5		$245 \times 1,000$

d) Explain to a partner how you multiply a number by 100
Ask them to explain how to multiply by 1,000

4 Work out the multiplications.

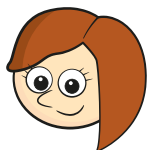
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| b) 612×100 | d) 10×952 |
| 715×100 | 100×952 |
| 720×100 | $1,000 \times 952$ |

5 Write $>$, $<$ or $=$ to make the statements true.

- | | | | |
|---|-----------------|--|------------------|
| a) 78×10 <input type="text"/> | 78×100 | c) 930×10 <input type="text"/> | 100×93 |
| b) 100×56 <input type="text"/> | 65×100 | d) $1,000 \times 482$ <input type="text"/> | 482×100 |

6

$54 \times 1,000$
is the same as
 $54 \times 10 \times 10 \times 10$



Is Rosie correct?

Explain how you know.

7 Complete the multiplication sentences.

- | | |
|-----------------------------------|------------------------------------|
| a) $52 \times \square = 5,200$ | f) $\square \times 370 = 3,700$ |
| b) $95 \times \square = 950$ | g) $\square \times 100 = 8,200$ |
| c) $136 \times \square = 1,360$ | h) $\square \times 100 = 82,000$ |
| d) $272 \times \square = 272,000$ | i) $\square \times 10 = 39,000$ |
| e) $6,200 = \square \times 62$ | j) $1,000 \times \square = 80,000$ |

8 Ron and Dani have paper rounds.

Ron delivers 75 papers a month.

Dani delivers 10 times as many papers a month as Ron.

How many papers do they deliver altogether?

9 Mrs Hall owns a bookshop.

- In January, she sold 145 books.
- In February she sold 10 times as many books.
- In March she sold 10 times as many books as in February.

How many books did Mrs Hall sell in March?

Show your workings.

Compare answers with a partner.

10 Amir thinks of a number.

He multiplies it by 100

The answer has the same digit in the thousands and hundreds columns.

The total of all the digits is 8

What could the number be?