

1 Complete the multiplications.

a)

Th	H	T	O
			7

 $7 \times 10$ 

b)

Th	H	T	O
		3	9

 $39 \times 10$ 

c)

Th	H	T	O
	2	0	5

 $205 \times 10$ 

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

 $9 \times 100$   
 $9 \times 1,000$ 

b)

HTh	TTh	Th	H	T	O
				1	6

 $16 \times 100$   
 $16 \times 1,000$ 

c)

HTh	TTh	Th	H	T	O
			2	4	5

 $245 \times 100$   
 $245 \times 1,000$ 

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.

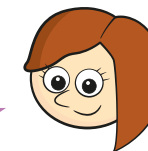
- a)  $45 \times 100$       c)  $41 \times 10$   
 $52 \times 100$        $41 \times 100$   
 $70 \times 100$        $41 \times 1,000$   
 b)  $612 \times 100$       d)  $10 \times 952$   
 $715 \times 100$        $100 \times 952$   
 $720 \times 100$        $1,000 \times 952$

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

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

6

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



Is Rosie correct?  
 Explain how you know.

c)	HTh	TTh	Th	H	T	O	$245 \times 100$
			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.

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

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

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

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?