

Multiply by 10, 100 and 1,000

1 Complete the multiplications.

Th	H	T	O
			7

$7 \times 10 = \boxed{70}$

Th	H	T	O
		3	9

$39 \times 10 = \boxed{390}$

Th	H	T	O
	2	0	5

$205 \times 10 = \boxed{2,050}$

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

They move one place to the left.

2 Complete the multiplication sentences.

$9 \times 10 = \boxed{90}$

$\boxed{32} \times 10 = 320$

$54 \times 10 = \boxed{540}$

$10 \times \boxed{135} = 1,350$

$10 \times 13 = \boxed{130}$

$20 \times 10 = \boxed{200}$

$126 \times 10 = \boxed{1,260}$

$\boxed{500} \times 10 = 5,000$

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

HTh	TTh	Th	H	T	O
					9

$9 \times 100 = \boxed{900}$

$9 \times 1,000 = \boxed{9,000}$

HTh	TTh	Th	H	T	O
				1	6

$16 \times 100 = \boxed{1,600}$

$16 \times 1,000 = \boxed{16,000}$

HTh	TTh	Th	H	T	O
			2	4	5

$245 \times 100 = \boxed{24,500}$

$245 \times 1,000 = \boxed{245,000}$

d) Explain to a partner how you multiply a number by 100

Ask them to explain how to multiply by 1,000

4 Complete the multiplication sentences.

$45 \times 100 = \boxed{4,500}$

$41 \times 10 = \boxed{410}$

$52 \times 100 = \boxed{5,200}$

$41 \times 100 = \boxed{4,100}$

$70 \times 100 = \boxed{7,000}$

$41 \times 1,000 = \boxed{41,000}$

$612 \times 100 = \boxed{61,200}$

$10 \times 952 = \boxed{9,520}$

$715 \times 100 = \boxed{71,500}$

$100 \times 952 = \boxed{95,200}$

$720 \times 100 = \boxed{72,000}$

$1,000 \times 952 = \boxed{952,000}$

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

a) 78×10 $<$ 78×100

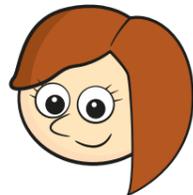
b) 100×56 $<$ 65×100

c) 930×10 $=$ 100×93

d) $1,000 \times 482$ $>$ 482×100

6

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



Is Rosie correct? yes

Explain how you know.

10 × 10 × 10 = 1,000

7 Complete the multiplication sentences.

a) $52 \times$ 100 $= 5,200$

f) 10 $\times 370 = 3,700$

b) $95 \times$ 10 $= 950$

g) 82 $\times 100 = 8,200$

c) $136 \times$ 10 $= 1,360$

h) 820 $\times 100 = 82,000$

d) $272 \times$ $1,000$ $= 272,000$

i) $3,900$ $\times 10 = 39,000$

e) $6,200 =$ 100 $\times 62$

j) $1,000 \times$ 80 $= 80,000$

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?

825 papers

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.

$14,500$

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?

E.g. 44

