Multiply by 10, 100 and 1,000

1 Complete the multiplications.

You may use the place value charts to help you.

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 × 10 = ☐

b) 54 × 10 = ☐

c) 10 × 13 = ☐

d) 126 × 10 = ☐

e) ☐ × 10 = 320

f) 10 × ☐ = 1,350

g) 20 × 10 = ☐

h) ☐ × 10 = 5,000

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

You may use the place value charts to help you.

a)

HTh	TTh	Th	H	T	O
					9

9 × 100 = ☐

9 × 1,000 = ☐

b)

HTh	TTh	Th	H	T	O
				1	6

16 × 100 = ☐

16 × 1,000 = ☐

c)

HTh	TTh	Th	H	T	O
			2	4	5

245 × 100 = ☐

245 × 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 Complete the multiplication sentences.

a) 45 × 100 = ☐

52 × 100 = ☐

70 × 100 = ☐

b) 612 × 100 = ☐

715 × 100 = ☐

720 × 100 = ☐

c) 41 × 10 = ☐

41 × 100 = ☐

41 × 1,000 = ☐

d) 10 × 952 = ☐

100 × 952 = ☐

1,000 × 952 = ☐

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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 × 482 ◯ 482 × 100

6



Is Whitney correct? _____

Explain how you know.

_____

_____

7 Complete the multiplication sentences.

a) 52 × ☐ = 5,200

b) 95 × ☐ = 950

c) 136 × ☐ = 1,360

d) 272 × ☐ = 272,000

e) 6,200 = ☐ × 62

f) ☐ × 370 = 3,700

g) ☐ × 100 = 8,200

h) ☐ × 100 = 82,000

i) ☐ × 10 = 39,000

j) 1,000 × ☐ = 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 the number 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?

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