

11/01/21

I can multiply by 10, 100 and 1000.

1

Complete the calculations and sentences.

Use place value counters to help you.

Th	H	T	O	Tth	Hth
			●●●	●●●●	

a) $2.3 \times 10 =$

When the number is multiplied by 10 the counters move
place to the left.

b) $2.3 \times 100 =$

When the number is multiplied by 100 the counters move
places to the left.

c) $2.3 \times 1,000 =$

When the number is multiplied by 1,000 the counters move
places to the left.

**Multiplying
by 10**

When you multiply a whole
number by 10, the digits move
one place to the left.

$17 \times 10 = 170$

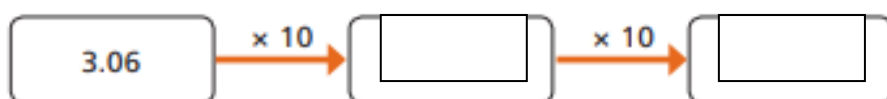
**Multiplying
by 100**

When you multiply a whole
number by 100, the digits
move two places to the left.

$83 \times 100 = 8300$

2

Complete the diagram.

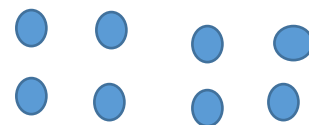


3

- a) Draw counters on the place value charts to represent each calculation.

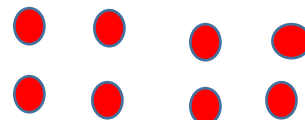
$$4.4 \times 1$$

Th	H	T	O	Tth	Hth



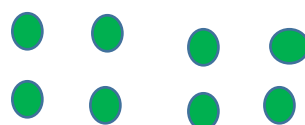
$$4.4 \times 10$$

Th	H	T	O	Tth	Hth



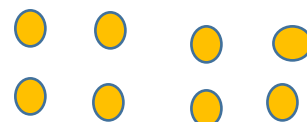
$$4.4 \times 100$$

Th	H	T	O	Tth	Hth



$$4.4 \times 1,000$$

Th	H	T	O	Tth	Hth



- b) Complete the calculations.

$$4.4 \times 1 = \boxed{} \boxed{}$$

$$4.4 \times 10 = \boxed{} \boxed{}$$

$$4.4 \times 100 = \boxed{} \boxed{}$$

$$4.4 \times 1,000 = \boxed{} \boxed{}$$

What do you notice?

4

- Complete the calculations.

a) $13.44 \times 10 = \boxed{} \boxed{}$

d) $4.4 \times \boxed{} = 4,400$

b) $41.4 \times 100 = \boxed{} \boxed{}$

e) $\boxed{} = 1.03 \times 100$

c) $0.415 \times 1,000 = \boxed{} \boxed{}$

f) $30.44 = \boxed{} \times 10$