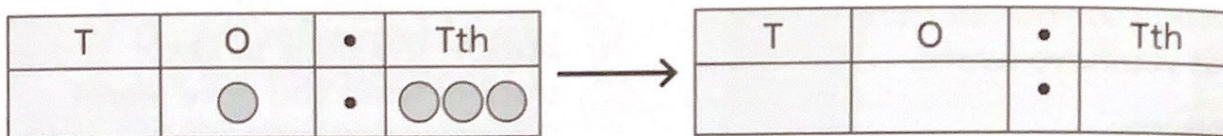


Multiplying by 10, 100 and 1,000

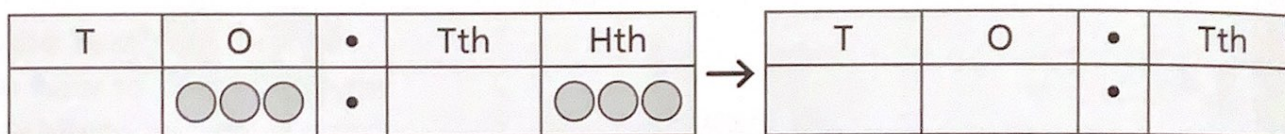
1 Draw counters to show each number multiplied by 10.

a)



$$1.3 \times 10 = \square$$

b)



$$3.03 \times 10 = \square$$

2 a) Which of these represents the answer to 10.08 multiplied by 100?
Tick your answer.

Th	H	T	O
1	0	0	8

Th	H	T	O
1	0	8	0

H	T	O	•	Tth
1	0	0	•	8

b) Which of these represents the answer to 8.103 multiplied by 1,000?
Tick your answer.

Th	H	T	O
8	1	3	0

Th	H	T	O
8	1	0	3

H	T	O	•	Tth
8	1	0	•	3

c) What is 0.012 multiplied by 1,000?

$$0.012 \times 1,000 = \square$$

3 Complete these calculations.

a) $1.1 \times 10 = \square$

b) $\square = 99.9 \times 100$

c) $2.5 \times 10 = \square$

$1.2 \times 10 = \square$

$\square = 999.9 \times 100$

$2.5 \times 20 = \square$

$1.02 \times 10 = \square$

$0.999 \times 100 = \square$

$2.5 \times 200 = \square$

$\square = 1.02 \times 100$

$9.999 \times 1,000 = \square$

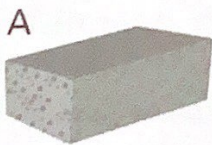
$2.5 \times 2,000 = \square$

4 a) A builder orders 400 bricks. One brick costs £1.50. What will be the total cost of the order?



The total cost of the order will be \square .

b) There are 500 of each type of brick. What is the total mass of all the bricks?



0.8 kg



1.2 kg

The total mass of all the bricks is \square .



5 Bella says that when you multiply 5.02 by 100, you get 520. Explain her mistake using a place value grid.

