## Multiply by 10, 100 and 1,000



White Rose Maths

3

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

4.4 × 1

Th	Н	Т	0	Tth	Hth
			000	000	



Th	Н	Т	0	Tth	Hth
		J		00	



Th	Н	Т	0	Tth	Hth
	J		00	000	

 $4.4 \times 1,000$ 

Th	Н	Т	0	Tth	Hth
			000	00	
			$\overline{0}$	00	

b) Complete the calculations.



## What do you notice?

Complete the calculations and sentences.

Use place value counters to help you.



**a)** 2.3 × 10 = 23

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

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

2,300 **c)** 2.3 × 1,000 =

> When the number is multiplied by 1,000 the counters move 3 places to the left.



Complete the diagram.











How many ways is it possible to complete this calculation? Talk about it with a partner.

y	2	and	added	two
			place	
		2860		





