Multiply by 10, 100 and 1,000



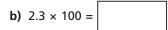
Complete the calculations and sentences.

Use place value counters to help you.

Th	Н	Т	0	Tth	Hth

a) $2.3 \times 10 =$

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.

c) $2.3 \times 1,000 =$

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

Complete the diagram.



- × 10 × 10 3.06
- a) Draw counters on a place value chart to represent each calculation.



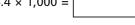
 4.4×1

 4.4×10

 4.4×100

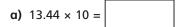
 4.4×1.000

b) Complete the calculations.

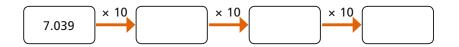




Complete the calculations.



Complete the diagrams.











Multiply by 10, 100 and 1,000

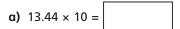


b) Complete the calculations.

What do you notice?

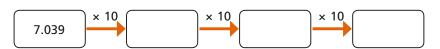


Complete the calculations.



5 Complete the diagrams.







6 Write >, < or = to compare the number sentences.

7 Kim is calculating 14.3 × 200

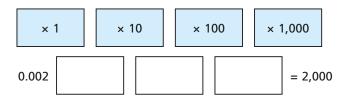
She writes this as her answer.

$$14.3 \times 200 = 28.600$$

Explain Kim's mistake.

8 Use the cards to complete the calculation.

You can use each card more than once.



How many ways is it possible to complete this calculation?

Talk about it with a partner.

