1 Complete the calculations and sentences.

Use place value counters to help you.

Th	H	T	O	Tth	Hth
	●	●● ●●			
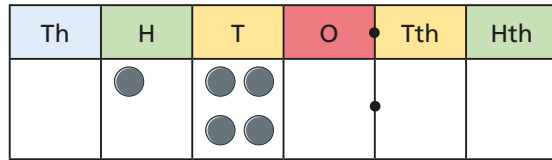
a) $140 \div 10 = \boxed{}$

When the number is divided by 10 the counters move $\boxed{}$ place to the right.

b) $140 \div 100 = \boxed{}$

When the number is divided by 100 the counters move $\boxed{}$ places to the right.

c) $140 \div 1{,}000 = \boxed{}$

When the number is divided by 1,000 the counters move $\boxed{}$ places to the right.

2 Complete the diagram.

$\boxed{43}$ $\xrightarrow{\div 10}$ $\boxed{}$ $\xrightarrow{\div 10}$ $\boxed{}$

3 **a)** Draw counters to represent the calculations.

H	T	O	Tth	Hth	Thth
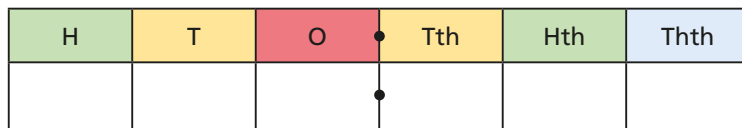
123 ÷ 1   123 ÷ 10   123 ÷ 100   123 ÷ 1,000

b) Complete the calculations.

$123 \div 1 = \boxed{}$ $123 \div 100 = \boxed{}$

$123 \div 10 = \boxed{}$ $123 \div 1{,}000 = \boxed{}$

What do you notice?

4 Complete the calculations.

a) $16 \div 10 = \boxed{}$ **d)** $332 \div \boxed{} = 0.332$
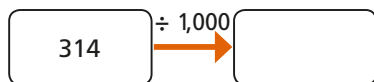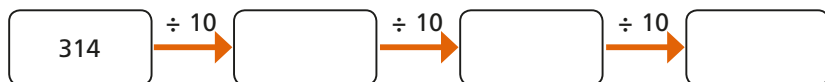
b) $43.4 \div 100 = \boxed{}$ **e)** $2.4 \div 200 = \boxed{}$

c) $614 \div 1{,}000 = \boxed{}$ **f)** $5.09 = \boxed{} \div 20$

5 Complete the diagrams.

$\boxed{314}$ $\xrightarrow{\div 10}$ $\boxed{}$ $\xrightarrow{\div 10}$ $\boxed{}$ $\xrightarrow{\div 10}$ $\boxed{}$

$\boxed{314}$ $\xrightarrow{\div 100}$ $\boxed{}$ $\xrightarrow{\div 10}$ $\boxed{}$
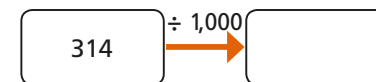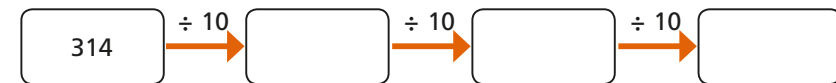
$\boxed{314}$ $\xrightarrow{\div 1{,}000}$ $\boxed{}$

What do you notice? Why does this happen?

b) Complete the calculations.

123 ÷ 1 = ☐   123 ÷ 100 = ☐

123 ÷ 10 = ☐   123 ÷ 1,000 = ☐

What do you notice?

4 Complete the calculations.

a) 16 ÷ 10 = ☐   **d)** 332 ÷ ☐ = 0.332

b) 43.4 ÷ 100 = ☐   **e)** 2.4 ÷ 200 = ☐

c) 614 ÷ 1,000 = ☐   **f)** 5.09 = ☐ ÷ 20

5 Complete the diagrams.

314 → ÷ 10 → ☐ → ÷ 10 → ☐ → ÷ 10 → ☐

314 → ÷ 100 → ☐ → ÷ 10 → ☐

314 → ÷ 1,000 → ☐

What do you notice? Why does this happen?

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

5,400 ÷ 10 ÷ 10 ÷ 10   ◯   5,400 ÷ 1,000

60 ÷ 100 ÷ 10   ◯   600 ÷ 100

5.7 ÷ 10   ◯   57 ÷ 100

5,601 ÷ 1,000   ◯   5.601 ÷ 10
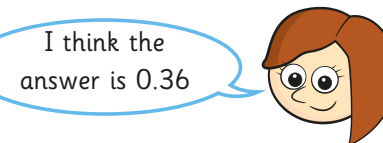
7 Dexter is solving the calculation 5,400 ÷ 100

I think the answer is 54.00

Is Dexter correct?

Explain your reasoning.

8 Rosie is solving the calculation 3,600 ÷ 200

I think the answer is 0.36

Is Rosie correct?

Explain your reasoning.