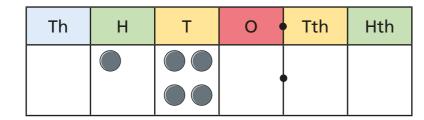
Divide by 10, 100 and 1,000



1 Complete the calculations and sentences.

Use place value counters to help you.



α) 140 ÷ 10 =

When the number is divided by 10 the counters move place to the right.

b) 140 ÷ 100 =

When the number is divided by 100 the counters move places to the right.

c) 140 ÷ 1,000 = 0 · 14

When the number is divided by 1,000 the counters move places to the right.

2 Complete the diagram.

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



Н	Т	0	Tth	Hth	Thth
0	00	0 0			

123 ÷ 10

Н	Т	0	Tth	Hth	Thth
0	00	000	\rightarrow		

123 ÷ 100

Н	Т	0	Tth	Hth	Thth
0	00	00			

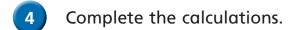
123 ÷ 1,000

Н	Т	0	Tth	Hth	Thth
0	0	00			7

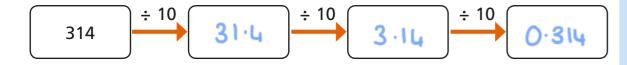
b) Complete the calculations.

What do you notice?





5 Complete the diagrams.



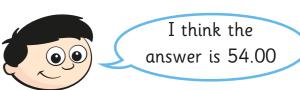
What do you notice? Why does this happen?



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

$$5,400 \div 10 \div 10$$
 = $5,400 \div 1,000$
 $60 \div 100 \div 10$ = $57 \div 100$
 $5,601 \div 1,000$ > $5.601 \div 10$

Dexter is solving the calculation 5,400 ÷ 100

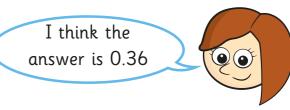


Is Dexter correct? <u>Yes</u>

Explain your reasoning.

54.00 is the same as 54

Rosie is solving the calculation $3,600 \div 200$



Is Rosie correct? No

Explain your reasoning.

have divided by 100 then 2 to give an answer of 18



