

Divide by 10, 100 and 1,000



1 Complete the calculations and sentences.

Use counters to help you.

Th	H	T	O	•	Tth	Hth
	1	2	3	4	5	6

a) $140 \div 10 =$

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

b) $140 \div 100 =$

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

c) $140 \div 1,000 =$

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

2 Complete the diagram.



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

$123 \div 1$

H	T	O	•	Tth	Hth	Thth
			1			

$123 \div 10$

H	T	O	•	Tth	Hth	Thth
			1	2	3	

$123 \div 100$

H	T	O	•	Tth	Hth	Thth
			1	2	3	

$123 \div 1,000$

H	T	O	•	Tth	Hth	Thth
			1	2	3	

b) Complete the calculations.

$123 \div 1 =$

$123 \div 10 =$

$123 \div 100 =$

$123 \div 1,000 =$

What do you notice?



4 Complete the calculations.

a) $16 \div 10 =$

e) $332 \div$ = 0.332



b) $43.4 \div 100 =$

f) $2.4 \div 100 =$

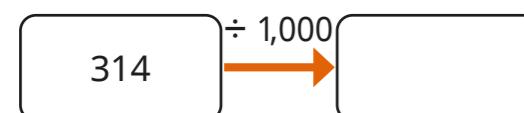
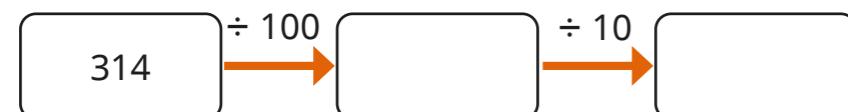
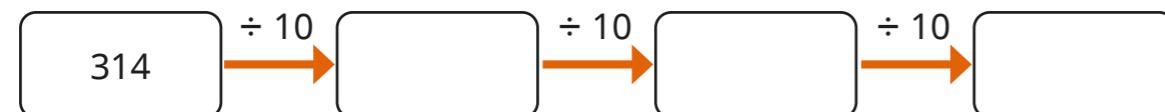
c) $614 \div 1,000 =$

g) $5.09 =$ $\div 10$

d) $506 \div 100 =$

h) = $20.7 \div 100$

5 Complete the diagrams.



What do you notice? Why does this happen?

6 Write $>$, $<$ or $=$ to compare the divisions.

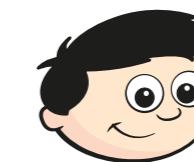
$5,400 \div 10 \div 10 \div 10$ $5,400 \div 1,000$

$60 \div 100 \div 10$ $600 \div 100$

$5.7 \div 10$ $57 \div 100$

$5,601 \div 1,000$ $5.601 \div 10$

7 Dexter is solving the calculation $5,400 \div 100$

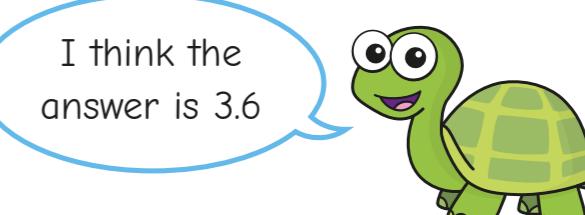


I think the answer is 54.00

Is Dexter correct? _____

Explain your reasoning.

8 Tiny is solving the calculation $3,006 \div 100$



I think the answer is 3.6

Is Tiny correct? _____

Explain your reasoning.
