

Wednesday 20th Jan.

ANSWERS

Can I divide by 10, 100 and 1000?

- 1 Complete the calculations and sentences.

Use place value counters to help you.

Th	H	T	O	Tth	Hth
	●	●●●●			

a) $140 \div 10 =$ 14

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

1

b) $140 \div 100 =$ 1.4

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

2

c) $140 \div 1,000 =$ 0.14

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

3

- 2 Complete the diagram.



- 3 a) Draw counters to represent the calculations.

$123 \div 1$

H	T	O	Tth	Hth	Thth
○	○○	○○○			

$123 \div 10$

H	T	O	Tth	Hth	Thth
○	○○	○○○			

$123 \div 100$

H	T	O	Tth	Hth	Thth
○	○○	○○○			

$123 \div 1,000$

H	T	O	Tth	Hth	Thth
○	○○	○○○			

- b) Complete the calculations.

$123 \div 1 =$ 123

$123 \div 10 =$ 12.3

$123 \div 100 =$ 1.23

$123 \div 1,000 =$ 0.123

4 Complete the calculations.

a) $16 \div 10 = 1.6$

d) $332 \div 1,000 = 0.332$

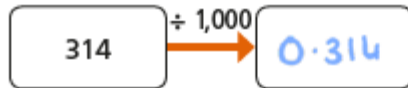
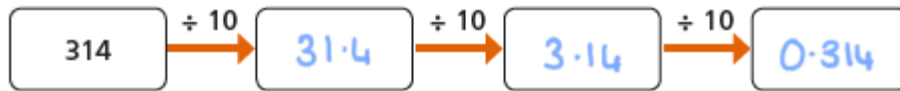
b) $43.4 \div 100 = 0.434$

e) $2.4 \div 200 = 0.012$

c) $614 \div 1,000 = 0.614$

f) $5.09 = 101.8 \div 20$

5 Complete the diagrams.



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

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

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

$5.7 \div 10 = 57 \div 100$

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

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



I think the answer is 54.00

Is Dexter correct? yes