

Divide by 10, 100 and 1,000



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 1 place to the right.

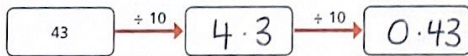
b) $140 \div 100 = 1.4$

When the number is divided by 100 the counters move 2 places to the right.

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

When the number is divided by 1,000 the counters move 3 places to the right.

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
○	○○	○○○			
			●	●●	●●●

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
○	○○	○○○			
			●	●●	●●●

0 1 2 3

b) Complete the calculations.

$123 \div 1 = 123$

$123 \div 10 = 12.3$

$123 \div 100 = 1.23$

$123 \div 1,000 = 0.123$

What do you notice? *Various observations.*

