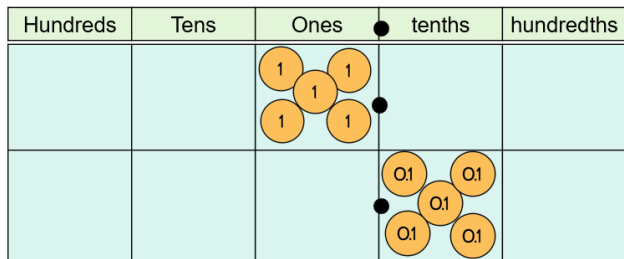


### WORKED EXAMPLE

Describe the relationships between the counters.

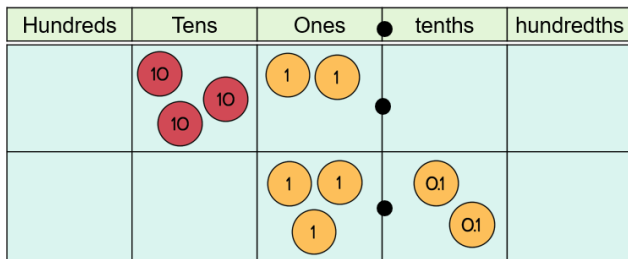


There are 5 ones and 5 tenths.

$$5 \text{ ones} \div 10 = 5 \text{ tenths.}$$

This is 0.5 as a decimal or  $\frac{5}{10}$  as a fraction.

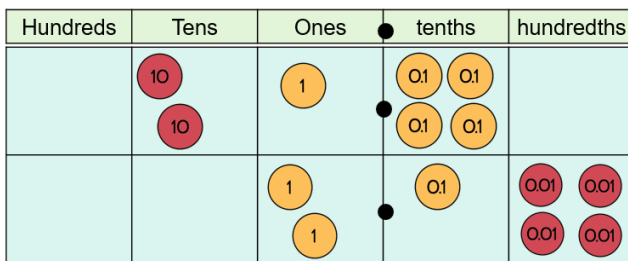
$$5 \div 10 = 0.5 \quad 0.5 \times 10 = 5$$



The value shown on the top row is 32

The value shown on the bottom row is 3.2

$$32 \div 10 = 3.2 \quad 3.2 \times 10 = 32$$

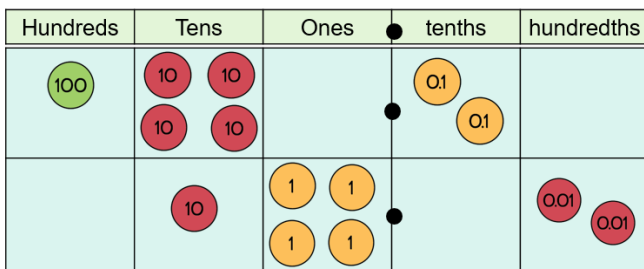


The value shown on the top row is 21.4

The value shown on the bottom row is 2.14

$$21.4 \div 10 = 2.14 \quad 2.14 \times 10 = 21.4$$

Draw the counters to show this number divided by 10.

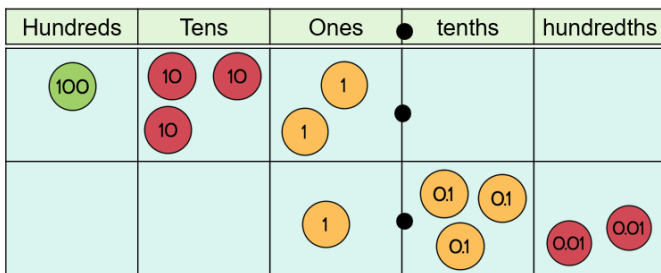


The value shown on the top row is 140.2

The value shown on the bottom row is 14.02

$$140.2 \div 10 = 14.02 \quad 14.02 \times 10 = 140.2$$

Draw the counters to show this number divided by 100.



The value shown on the top row is 132

The value shown on the bottom row is 1.32

$$132 \div 100 = 1.32 \quad 1.32 \times 100 = 132$$

### APPLY AND EXPLORE

Various: Could include  $0.4 \times 10 = 4$ ,  $0.4 \times 100 = 40$ ,  $4 \div 100 = 0.04$   
 $4 \times 10 = 40$ ,  $4 \times 100 = 400$  and  $400 \div 10 = 40$ ,  $400 \div 100 = 4$

### APPLY AND EXPLORE

Converting money e.g.  $10 \times £0.10 = £1$ , Converting measures e.g.  $10\text{mm} = 1\text{cm}$ ,  $100\text{cm} = 1\text{m}$