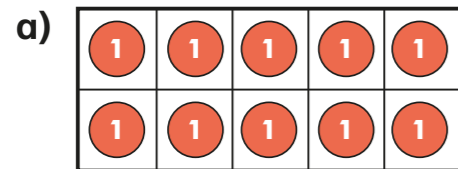


Dividing 1 digit by 10

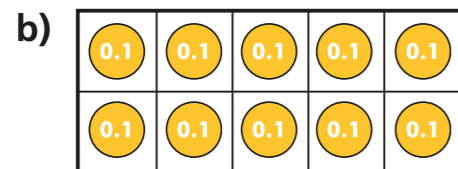
1 Look at the ten frames.



What number is represented?

Complete the division.

$$\boxed{10} \div 10 = \boxed{1}$$



What number is represented?

Complete the division.

$$\boxed{1} \div 10 = \boxed{0.1}$$

c) What is the same? What is different?

2 a) What calculation is represented by the counters?

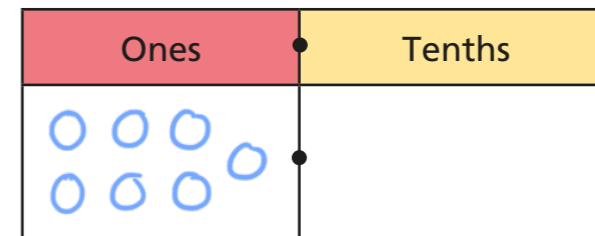


$$\boxed{3} \div 10 = \boxed{0.3}$$

b) Complete the number sentence.

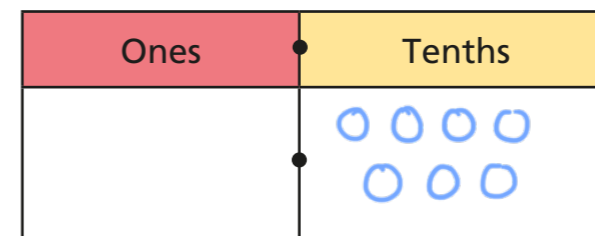
$$\boxed{3} \text{ ones divided by ten} = \boxed{3} \text{ tenths.}$$

3 a) Draw counters on the place value chart to show 7



b) Complete the division. $7 \div 10 = \boxed{0.7}$

c) Draw counters on the place value chart to show your answer.



d) What do you notice?

e) Complete the sentence.

$$\boxed{7} \text{ ones divided by ten} = \boxed{7} \text{ tenths.}$$

4 a) Use a place value chart to represent 9

b) Move the counters to the right to represent 0.9

c) Complete the division.

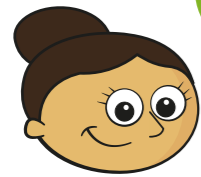
$$9 \div 10 = \boxed{0.9}$$

d) What do you notice?

e) Complete the sentence.

$$\boxed{9} \text{ ones divided by ten equals} \boxed{9} \text{ tenths.}$$

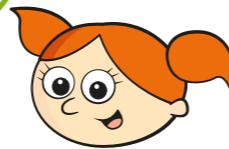
5



Dora

To divide by 10,
you split the counters into
10 equal parts.

To divide by 10,
you put the counters on a place
value chart and move them one
column to the right.



Alex

Who is correct? Circle your answer.

Dora

Alex

neither

both

Compare answers with a partner.

6

Here is a one-digit number on a place value chart.

Ones	Tenths
6	

a) Complete the division.

$$6 \div 10 = 0.6$$

b) Write your answer on the place value chart.

Ones	Tenths
	6

c) In your own words, describe what happens to the digits in a number when you divide by 10

They move one place to the right.

d) Use this method to work out the divisions.

$$7 \div 10 = 0.7$$

$$8 \div 10 = 0.8$$

7

Complete the divisions.

$$a) 4 \div 10 = 0.4$$

$$d) 9 \div 10 = 0.9$$

$$b) 2 \div 10 = 0.2$$

$$e) 3 \div 10 = 0.3$$

$$c) 0.5 = 5 \div 10$$

$$f) 1 \div 10 = 0.1$$

8

Complete the number sentences.

$$a) 6 \div 2 \div 10 = 3 \div 10$$

$$b) 24 \div 6 \div 10 = 4 \div 10$$

$$c) 42 \div 14 \div 10 = 21 \div 7 \div 10$$

d) Write a problem like this for a partner to solve.

