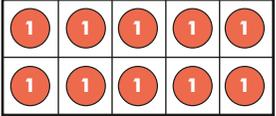
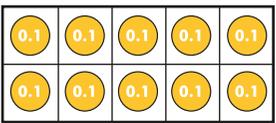


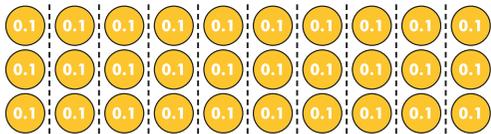
1 Look at the ten frames.

a)  What number is represented?
Complete the division. $\div 10 =$

b)  What number is represented?
Complete the division. $\div 10 =$

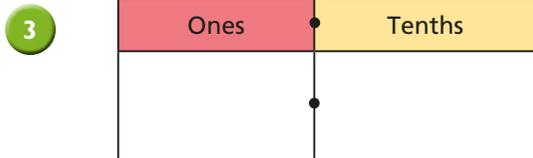
c) What is the same? What is different?

2 a) What calculation is represented by the counters?



b) Complete the number sentence.

ones divided by ten = tenths.



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

b) Complete the division. $7 \div 10 =$

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

d) What do you notice?

e) Complete the sentence.

ones divided by ten = tenths.

4 a) Use a place value chart to represent 9

b) Move the counters to the right to represent 0.9

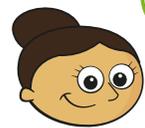
c) Complete the division. $9 \div 10 =$

d) What do you notice?

e) Complete the sentence.

ones divided by ten equals tenths.

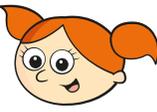
5



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

Dora

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?

Dora Alex neither both

Compare answers with a partner.

d) What do you notice?

e) Complete the sentence.

ones divided by ten = tenths.

4 a) Use a place value chart to represent 9

b) Move the counters to the right to represent 0.9

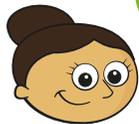
c) Complete the division. $9 \div 10 = \square$

d) What do you notice?

e) Complete the sentence.

ones divided by ten equals tenths.

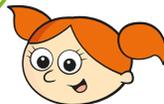
5



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?

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. $6 \div 10 = \square$

b) Write your answer on a place value chart.

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

d) Use this method to work out the divisions.

$7 \div 10 = \square$ $\square \div 10 = 0.8$

7 Complete the divisions.

a) $4 \div 10 = \square$

d) $9 \div 10 = \square$

b) $2 \div 10 = \square$

e) $\square \div 10 = 0.3$

c) $\square = 5 \div 10$

f) $\square \div 10 = 0.1$

8 Complete the number sentences.

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

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

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

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