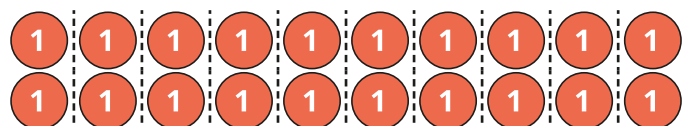


# Divide a 2-digit number by 10

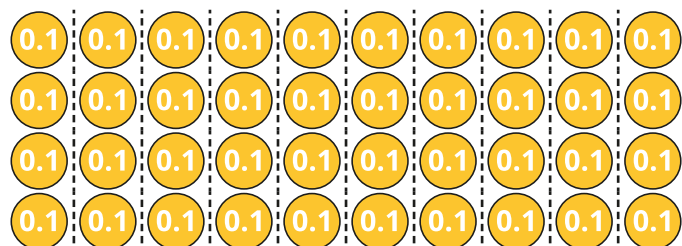
- 1 a) The array shows 20 shared between 10



Complete the calculation.

$$20 \div 10 = \square$$

- b) The array shows 4 shared between 10



Complete the calculation.

$$4 \div 10 = \square$$

- c) Complete the calculation.

$$24 \div 10 = \square$$

Compare answers with a partner.



- 2 a) Draw counters to represent 30 on the place value chart.

Tens	Ones	Tenths

Complete the division.

$$30 \div 10 = \square$$

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

Tens	Ones	Tenths

- b) Draw counters to show 35 on the place value chart.

Tens	Ones	Tenths

Complete the division.

$$35 \div 10 = \square$$

Draw counters to show your answer.

Tens	Ones	Tenths

- c) What do you notice about your answers in parts a) and b)?

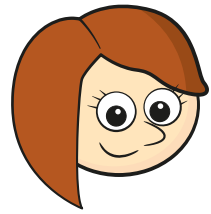
- d) Complete the sentence.

When dividing by 10, you move the counters

$\square$  place to the \_\_\_\_\_.



3



You cannot divide 13 by 10 because 13 is not a multiple of 10

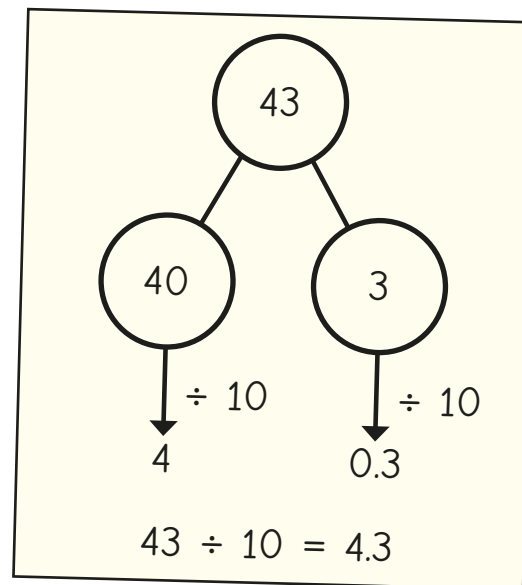
Do you agree with Rosie? \_\_\_\_\_

Explain your answer.

4

Dexter is calculating  $43 \div 10$

Here are his workings.

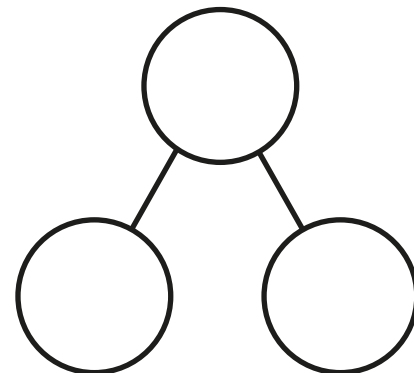
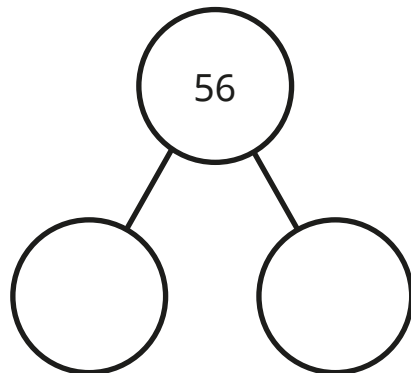


a) Talk to a partner about why Dexter's method works.

b) Use Dexter's method to complete the divisions.

$$56 \div 10 = \square$$

$$71 \div 10 = \square$$



5

Complete the divisions.

a)  $37 \div 10 = \square$

e)  $80 \div 10 = \square$

b)  $11 \div 10 = \square$

f)  $\square = 29 \div 10$

c)  $48 \div 10 = \square$

g)  $\square \div 10 = 6.3$

d)  $99 \div 10 = \square$

h)  $3.9 = \square \div 10$

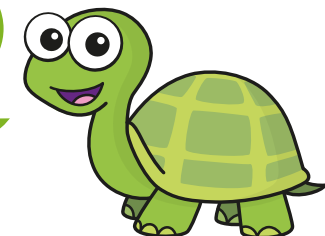
6

Tiny is using a Gattegno chart to divide 37 by 10

100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

a)

I need to move the counters one place to the right, so  $37 \div 10 = 48$



Do you agree with Tiny? \_\_\_\_\_

Explain your answer.

\_\_\_\_\_

\_\_\_\_\_

b) How can you use a Gattegno chart to divide by 10?