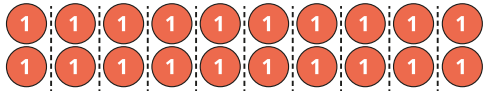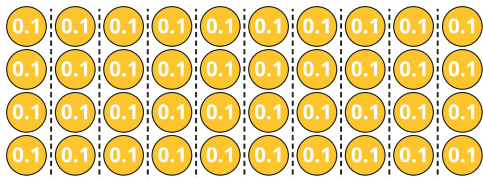**1** **a)** The array shows 20 shared between 10

Complete the calculation.

$20 \div 10 = \boxed{}$

b) The array shows 4 shared between 10

Complete the calculation.

$4 \div 10 = \boxed{}$

c) Complete the calculation.

$24 \div 10 = \boxed{}$

Compare answers with a partner.

2

Tens	Ones	Tenths

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

Complete the division. $\qquad 30 \div 10 = \boxed{}$

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

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

Complete the division. $\qquad 35 \div 10 = \boxed{}$

Draw counters to show your answer.

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

$\boxed{}$ 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.

$56 \div 10 = \boxed{}$

$71 \div 10 = \boxed{}$

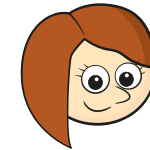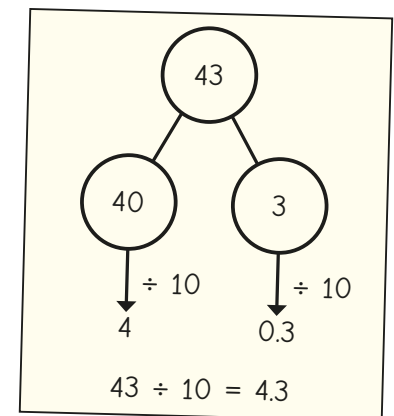$43 \div 10 = 4.3$

White Rose
M▲THS

c) What do you notice about your answers in parts a) and b)?
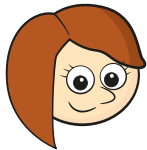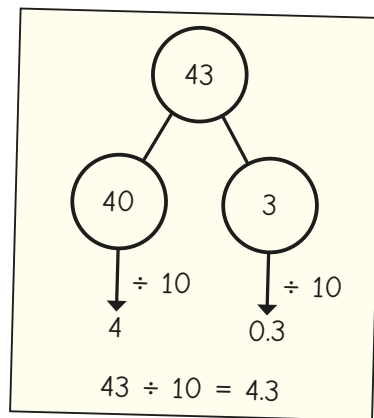
d) Complete the sentence.

When dividing by 10, you move the counters

[ ] 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 ÷ 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 ÷ 10 = [ ]

71 ÷ 10 = [ ]

43
40   3
÷ 10   ÷ 10
4   0.3

43 ÷ 10 = 4.3

5 Complete the divisions.

a) 37 ÷ 10 = [ ]   **e)** 80 ÷ 10 = [ ]

b) 11 ÷ 10 = [ ]   **f)** [ ] = 29 ÷ 10

c) 48 ÷ 10 = [ ]   **g)** [ ] ÷ 10 = 6.3

d) 99 ÷ 10 = [ ]   **h)** 3.9 = [ ] ÷ 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 ÷ 10 = 48
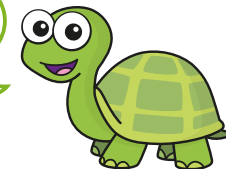
Do you agree with Tiny?

Explain your answer.

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