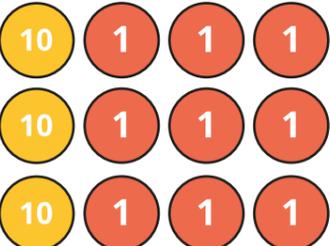
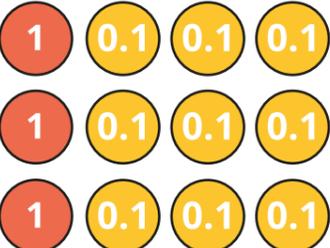


# Divide decimals by integers

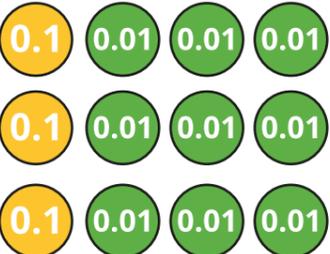
1 Use the place value counters to complete the divisions.

a) 

$39 \div 3 = \square$

b) 

$3.9 \div 3 = \square$

c) 

$0.39 \div 3 = \square$

What do you notice?

2 Complete the divisions.

a)  $54 \div 6 = \square$

$5.4 \div 6 = \square$

b)  $72 \div 9 = \square$

$0.72 \div 9 = \square$

c)  $35 \div 5 = \square$

$0.35 \div 5 = \square$

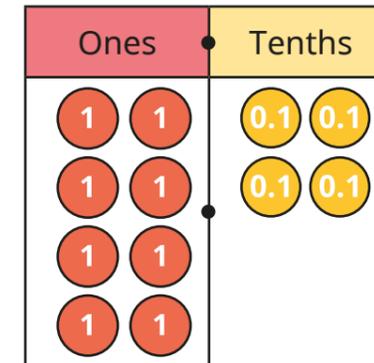
d)  $64 \div 8 = \square$

$6.4 \div 8 = \square$

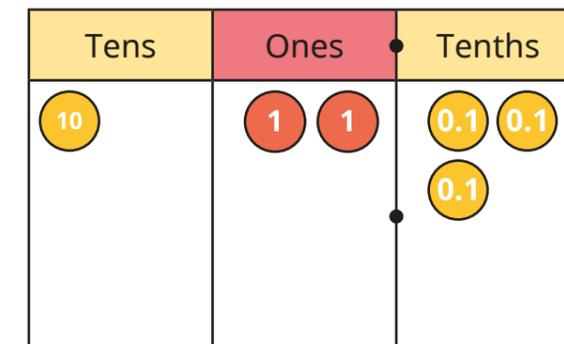
What do you notice?

3 Use place value counters to work out the divisions.

a)  $8.4 \div 4 = \square$



b)  $12.3 \div 3 = \square$



4 Use place value counters to work out the divisions.

a)  $16.4 \div 4 = \square$

b)  $36.3 \div 3 = \square$

c)  $50.5 \div 5 = \square$



- 5 Brett uses short division to work out  $13.2 \div 6$

		0	2	·	2
6		1	3	·	2

Use short division to work out the calculations.

a)

				·	
7		2	2	·	4

b)

				·		
8		1	8	·	4	8

- 6 Work out the divisions.

a)  $25.6 \div 8 =$

d)   $= 19.45 \div 5$

b)  $14.8 \div 4 =$

e)  $202.35 \div 3 =$

c)  $18.48 \div 6 =$

f)  $105.12 \div 9 =$



- 7 Work out the divisions.

a)  $9.64 \div 4 =$

b)  $19.44 \div 9 =$

$96.4 \div 4 =$

$19.53 \div 9 =$

$0.964 \div 4 =$

$19.62 \div 9 =$

$9.64 \div 8 =$

$19.71 \div 9 =$

What do you notice?

- 8 Fill in the missing numbers.

a)  $3.6 \div 4 = 36 \div$

b)  $7.8 \div 6 =$    $\div 60$

$3.6 \div 4 =$    $\div 8$

$7.8 \div 6 = 3.9 \div$

- 9 Complete the calculation.

$8.4 \div$    $= 4.2 \div$

How many different solutions can you find?

What patterns do you notice? Talk about it with a partner.

