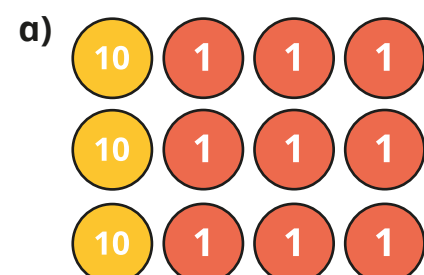


Divide decimals by integers

1 Use the place value counters to complete the divisions.



$$39 \div 3 = \square$$



$$3.9 \div 3 = \square$$



$$0.39 \div 3 = \square$$

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) $35 \div 5 = \square$

$0.35 \div 5 = \square$

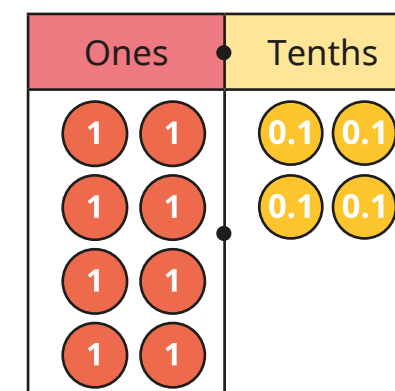
d) $64 \div 8 = \square$

$6.4 \div 8 = \square$

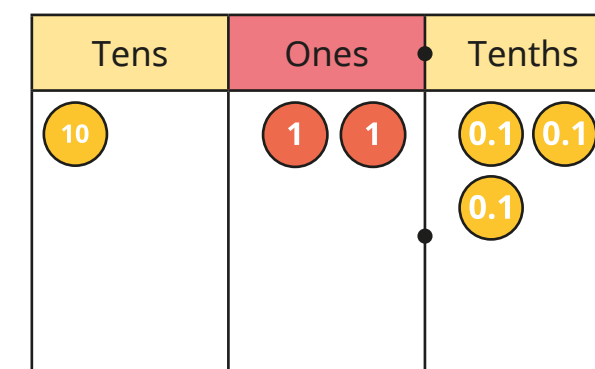
What do you notice?

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.

