Decimals as fractions



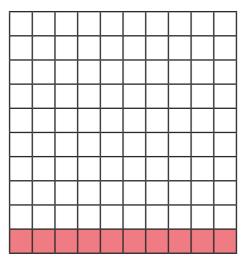
- 1 Complete the sentences.

The whole has been divided into | equal parts.

Each part is worth 0 · 1

This is equivalent to

b)



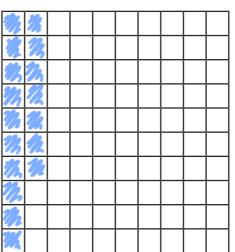
The whole has been divided into | 100 | equal parts.

Each part is worth 0.01

parts out of o are shaded.

This is equivalent to $\frac{10}{100}$ or $\frac{1}{100}$

2 a) Shade 0.17 of the hundred square.

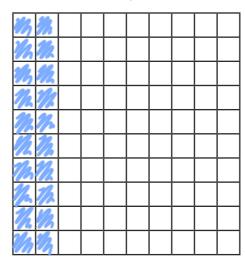


Complete the sentence.

parts out of 100 are shaded.

Write 0.17 as a fraction.

b) Shade 0.2 of the hundred square.



Complete the sentence.

20 parts out of 100 are shaded.

Write 0.2 as a fraction in its simplest form.

3

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

0.2	0.0	0.2	0.2	0.2
0.2	0.2	0.2	0.2	0.2

Use the bar models to fill in the missing numbers.

$$0.2 = \frac{2}{10} = \frac{1}{5}$$

$$0.4 = \frac{\boxed{4}}{10} = \frac{2}{\boxed{5}}$$

Fill in the missing numbers.

a)
$$0.54 = \frac{54}{100} = \frac{27}{50}$$

b)
$$0.6 = \frac{6}{10} = \frac{3}{5}$$

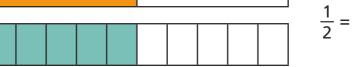
c)
$$0.3 = \frac{3}{10} = \frac{30}{100}$$

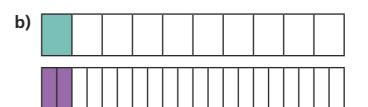
d)
$$0.09 = \frac{9}{100}$$

f)
$$\frac{21}{50} = \frac{42}{100} = 0.42$$

5 Use the bar models to fill in the missing numbers.

a)





$$\boxed{0 \cdot 1} = \boxed{\frac{1}{10}} = \boxed{\frac{2}{20}}$$

6



$$0.3 = \frac{3}{10}$$
 so $0.37 = \frac{37}{10}$

Draw a diagram to show that Ron is wrong.

3 Vh	m	B	m	m	m
mu	m		m		
m m	m	m	m	M	12
mn	m	Wh	m	n	1 4
mh	m	1/2	m	W	1 4
1/2 m	n	n	m	m	12
mm	m	n	3	m	10
mm	m		2	W	, 4
n Th	lan			M	

$$0.3 = \frac{3}{10}$$

$$0.37 = \frac{37}{100}$$

