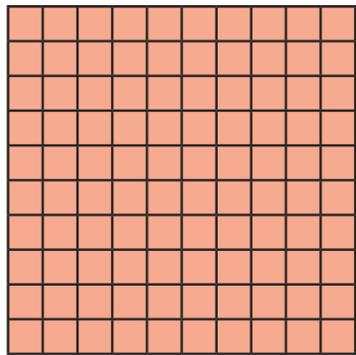


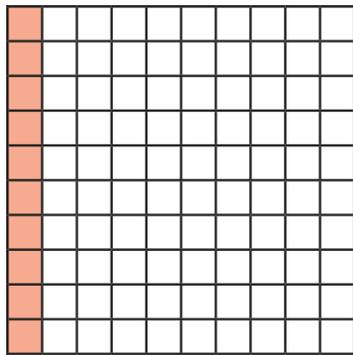
Decimals as fractions (2)

1 This grid represents 1



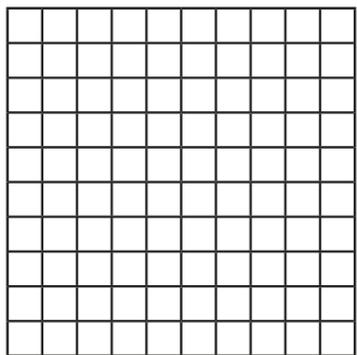
This grid represents 0.1 or

$$\frac{10}{100} \text{ or } \frac{1}{10}$$

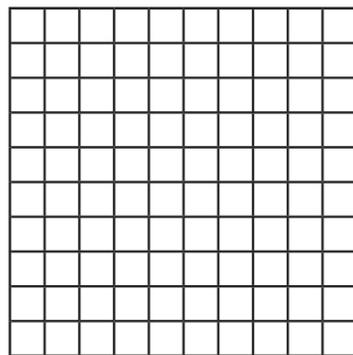


Colour the hundred squares to represent the fractions.

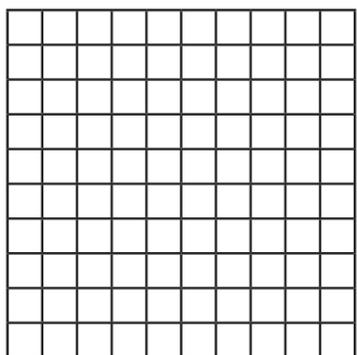
a) $\frac{2}{100}$



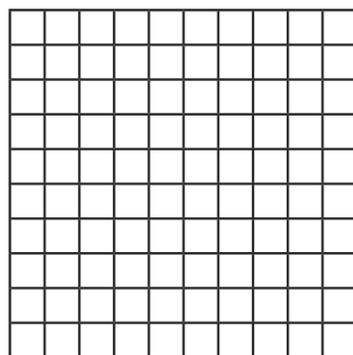
c) $\frac{20}{100}$



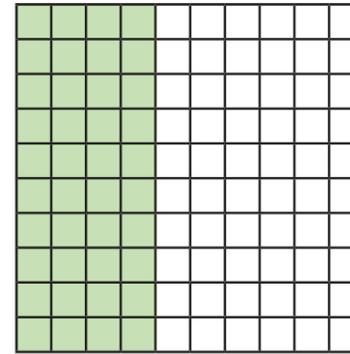
b) $\frac{2}{10}$



d) $\frac{90}{100}$



2 Complete the numbers to show how much of the square is shaded.



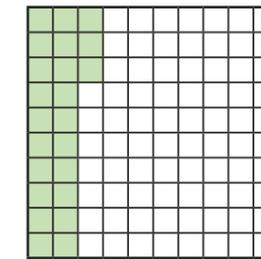
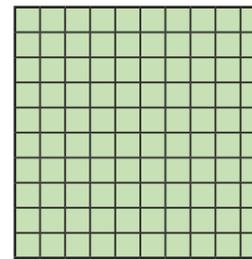
$$\frac{\square}{100}$$

$$\frac{\square}{10}$$

$$0.\underline{\quad}$$

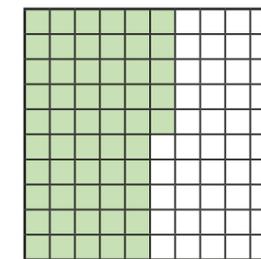
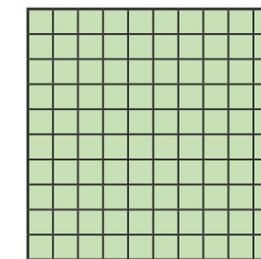
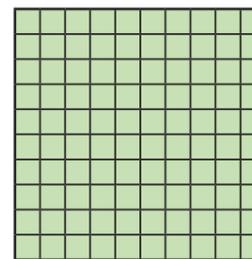
3 What fractions and decimals are represented?

a)



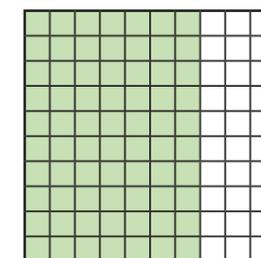
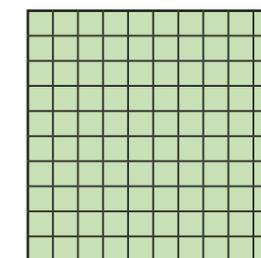
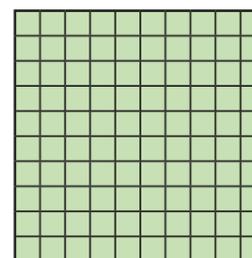
$$1 \frac{23}{100} = \square$$

b)



$$\square \frac{\square}{100} = \square$$

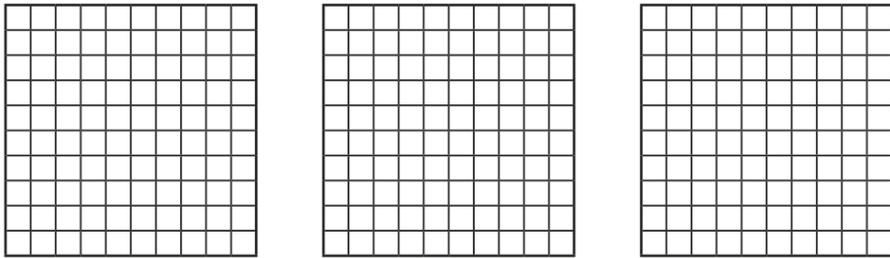
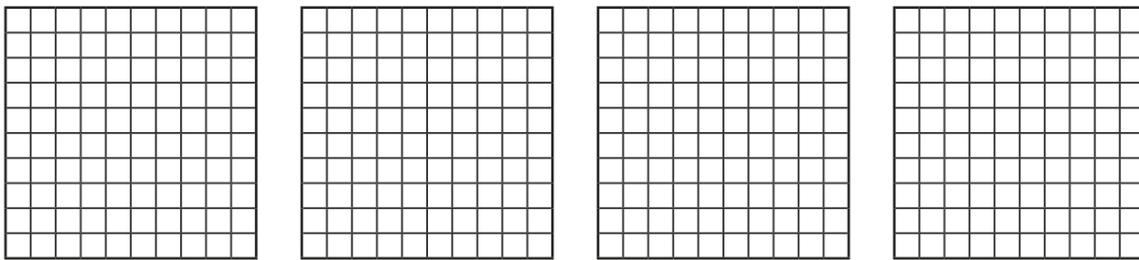
c)



$$\square \frac{\square}{10} = \square$$

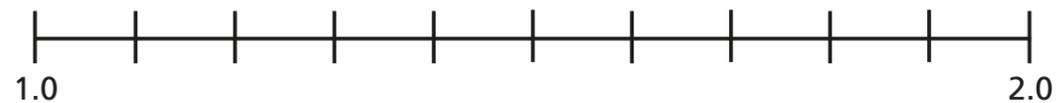
4

a) Represent 2.15

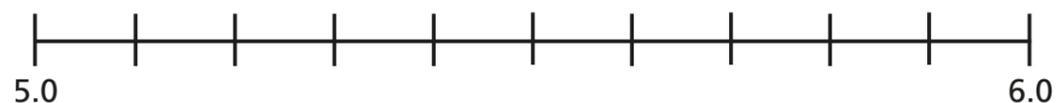
b) Represent $3\frac{7}{10}$ 

5

a) Label the number line with the decimals.



b) Label the number line with the fractions.



6

Complete the table.

Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	$2 + 0.1 + 0.03$	$2\frac{13}{100}$	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37		$4\frac{\square}{100}$		
	$5 + 0.6 + 0.02$			
				8 ones and 2 hundredths

7

Write the decimals as fractions.

Give your answer as a mixed number.

a) $32.6 = \square\frac{\square}{10}$

c) $13.08 = \square\frac{\square}{100}$

b) $2.03 = \square\frac{\square}{100}$

d) $3.98 = \square\frac{\square}{100}$

8

Use the digits 3, 4 and 5 to complete the decimal number.



How many different numbers can you make?