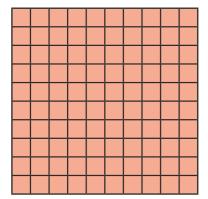
## Decimals as fractions (2)

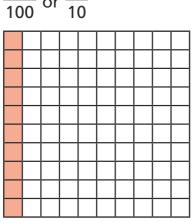


1 This grid represents 1

This grid represents 0.1 or

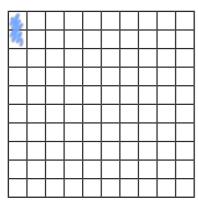
$$\frac{10}{100}$$
 or  $\frac{1}{10}$ 



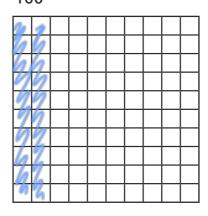


Colour the hundred squares to represent the fractions.

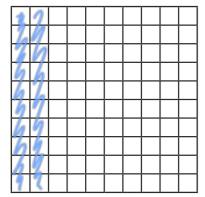
a)  $\frac{2}{100}$ 



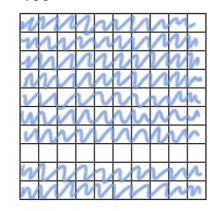
c)  $\frac{20}{100}$ 



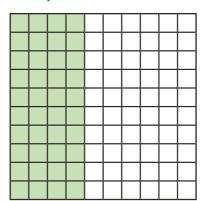
**b)**  $\frac{2}{10}$ 



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



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



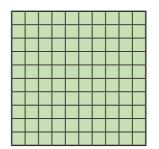
100

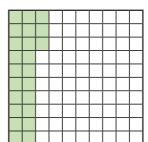
10

0.4

3 What fractions and decimals are represented?

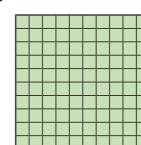
a)

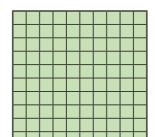


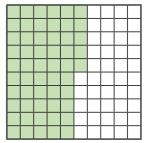


$$1\frac{23}{100} = 1 \cdot 23$$

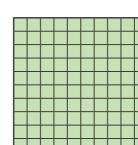
b)

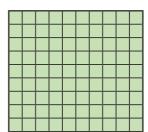


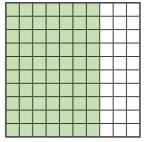




c)



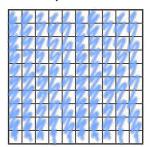


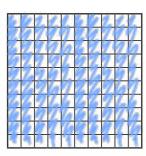


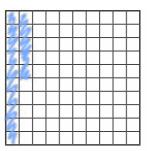
$$\frac{7}{10} = 2.7$$



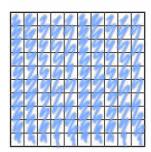
a) Represent 2.15

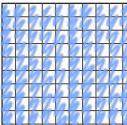


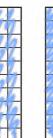


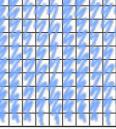


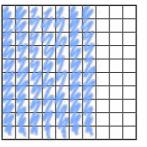
**b)** Represent 3  $\frac{7}{10}$ 











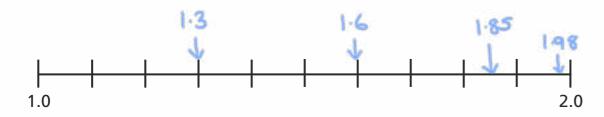
a) Label the number line with the decimals.



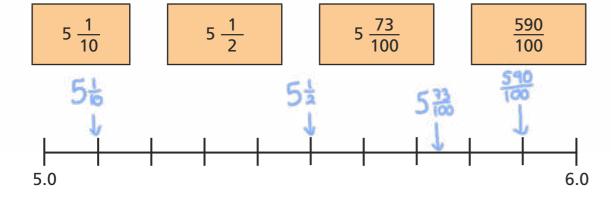
1.6

1.85

1.98



b) Label the number line with the fractions.





Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	2 + 0.1 + 0.03	2 13 100	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37	4+0-3+0-07	4 100	4 + 3 + 7 100	4 ones, 3 tenths and 7 hundredths
5.62	5 + 0.6 + 0.02	5 62	5 + 6 + 2	5 ones, 6 tenths and 2 hundredths
8.02	8+0-03	8 100	8 + 2	8 ones and 2 hundredths

Write the decimals as fractions.
Give your answer as a mixed number.

a) 
$$32.6 = 32 \frac{6}{10}$$

- 8 Use the digits 3, 4 and 5 to complete the decimal number.
- e.g.





How many different numbers can you make?



