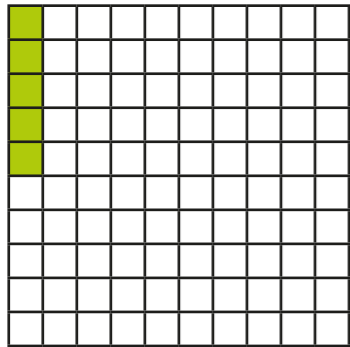


# Equivalent fractions and decimals (hundredths)

1 The hundred square represents 1 whole.

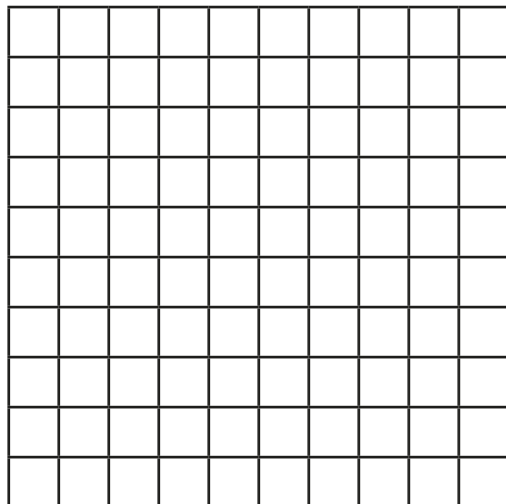


a) What fraction of the hundred square is shaded?

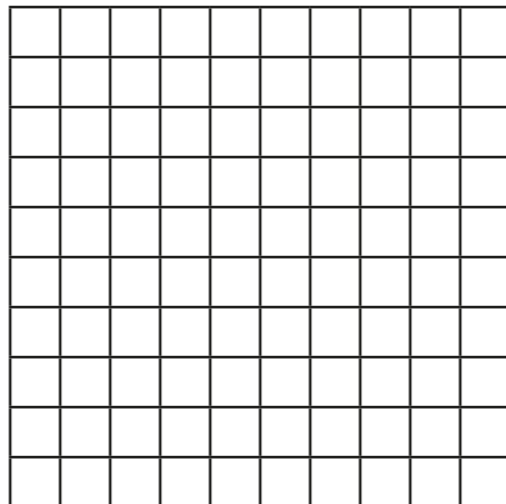
b) Convert the fraction to a decimal.

2 Shade the grid to represent the fraction and the decimal.

a)  $\frac{7}{100}$



b) 0.09



3 What fractions and decimals do the counters represent?

a)  $\frac{1}{100}$   $\frac{1}{100}$   $\frac{1}{100}$

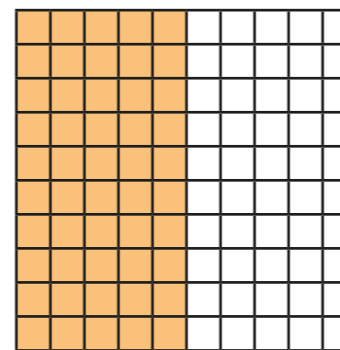
fraction =  decimal =

b)  $\frac{1}{100}$   $\frac{1}{100}$   $\frac{1}{100}$   $\frac{1}{100}$   $\frac{1}{100}$   $\frac{1}{100}$

fraction =  decimal =

4 Amir has shaded part of a hundred square.

a) Complete the fractions shown by the hundred square.

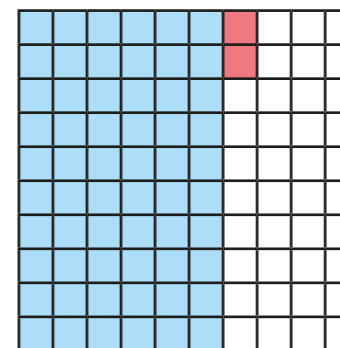


100

10

b) Write the fractions as a decimal.

5 Complete the sentences.



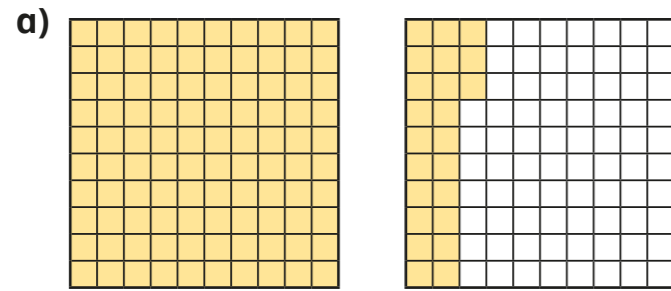
There are  $\frac{\text{[ ]}}{10}$  and  $\frac{\text{[ ]}}{100}$  shaded.

This shows the decimals

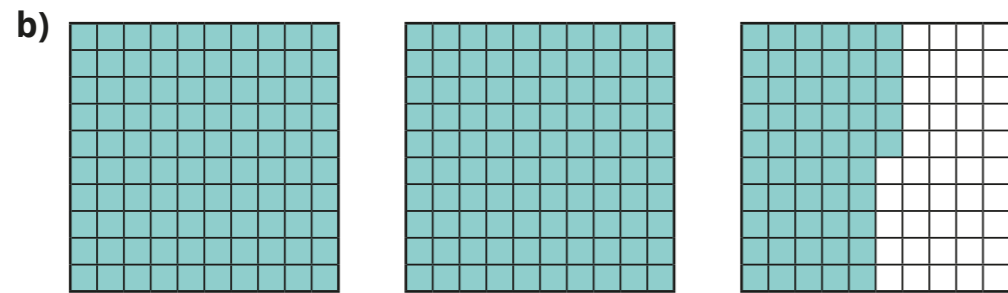
and

$\frac{\text{[ ]}}{100} = \text{[ ]}$

6 What fractions and decimals are represented?



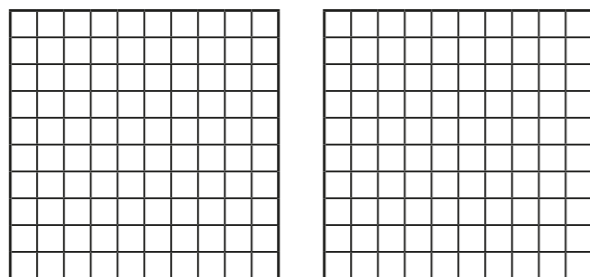
$$1 \frac{23}{100} = \boxed{\phantom{00}}$$



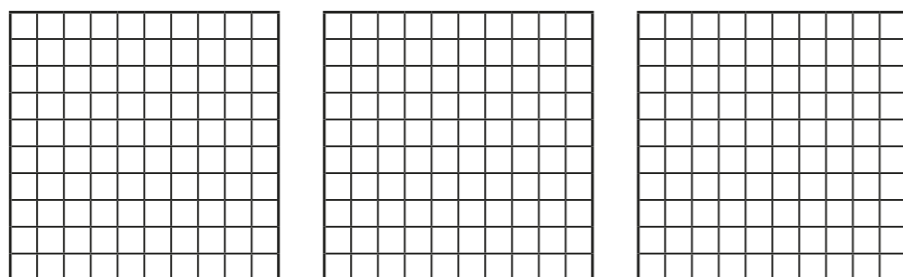
$$\boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{100} = \boxed{\phantom{00}}$$

7 Shade the hundred squares to show the numbers.

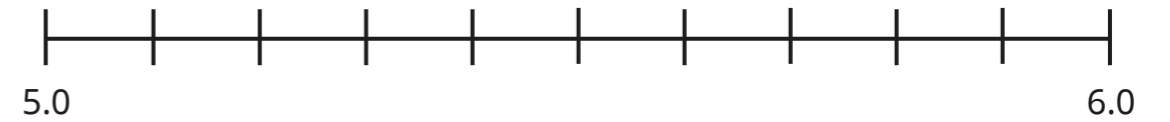
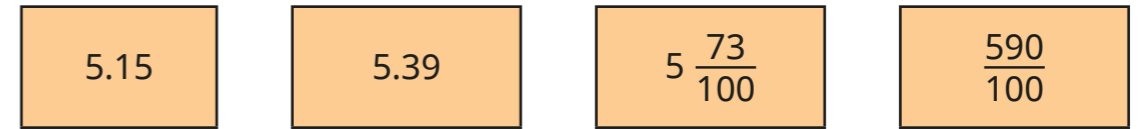
a) 1.15



b)  $2 \frac{7}{10}$



8 Estimate the positions of the fractions and decimals on the number line.



9 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		$4 \frac{\boxed{\phantom{00}}}{100}$		
	$5 + 0.6 + 0.02$			
				8 ones and 2 hundredths
		$7 \frac{81}{100}$		
			$9 + \frac{3}{100}$	

