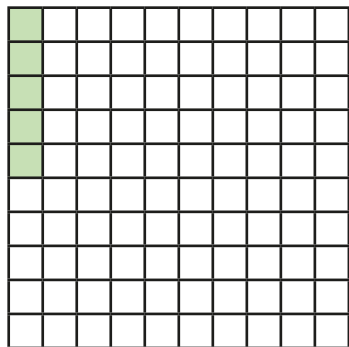


Decimals as fractions (1)

1 The hundred square represents 1 whole.



a) What fraction is represented by the shaded squares?

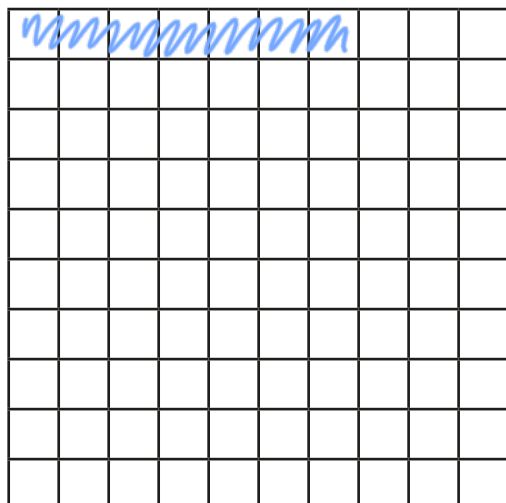
$\frac{5}{100}$

b) Convert the fraction to a decimal.

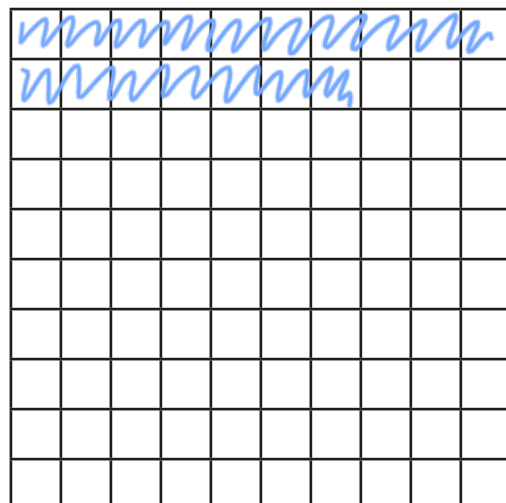
0.05

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

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



b) 0.17



3 What fractions and decimals do the counters represent?

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

fraction = $\frac{4}{100}$

decimal = 0.04

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

fraction = $\frac{6}{100}$

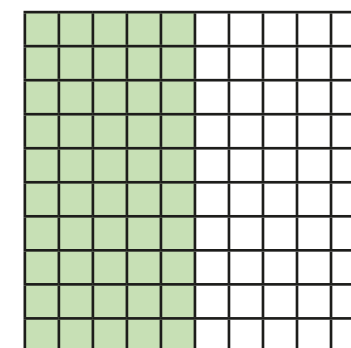
decimal = 0.06

c) $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$

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

decimal = 0.7

4 Amir has coloured part of a hundred square.



a) What fraction is represented by the coloured squares?

$\frac{50}{100}$

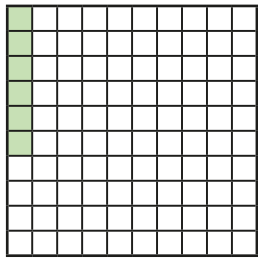
b) Write this fraction in a different way.

$\frac{5}{10}$

c) Write the fraction as a decimal.

0.5

- 5 Huan says he has coloured 0.6 of the hundred square.



Explain the mistake that Huan has made.

He has coloured in 6 hundredths
not 6 tenths.

- 6 Write $<$, $>$ or $=$ to complete the statements.

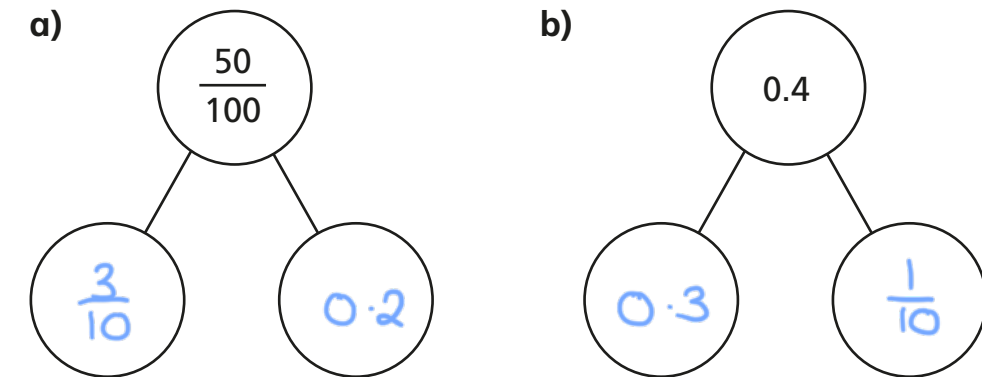
- a) 0.4 $=$ $\frac{40}{100}$ d) 0.5 $>$ $\frac{5}{100}$
b) 0.02 $<$ $\frac{20}{100}$ e) 0.88 $=$ $\frac{88}{100}$
c) 0.6 $=$ $\frac{6}{10}$ f) 0.88 $<$ $\frac{89}{100}$

- 7 Complete the table.

Fifths	Tenths	Decimals
$\frac{1}{5}$	$\frac{2}{10}$	0.2
$\frac{4}{5}$	$\frac{8}{10}$	0.8
$\frac{3}{5}$	$\frac{6}{10}$	0.6
$\frac{2}{5}$	$\frac{4}{10}$	0.4

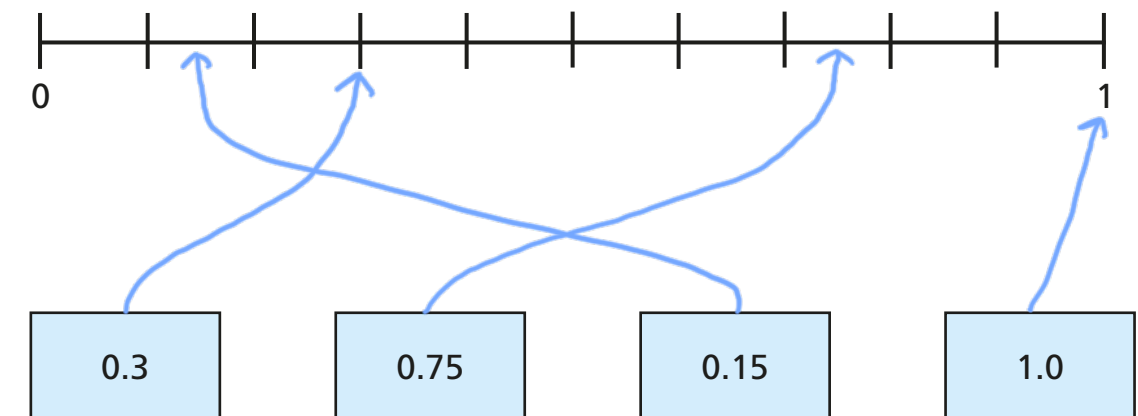
- 8 Complete the part-whole models using fractions or decimals.

Eg.



Compare answers with a partner.

- 9 Here is a number line.



Draw arrows from the numbers to show their place on the line.