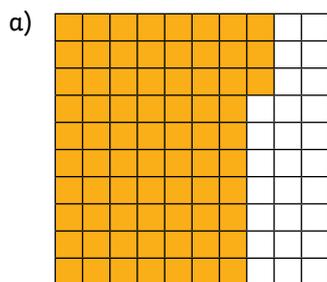


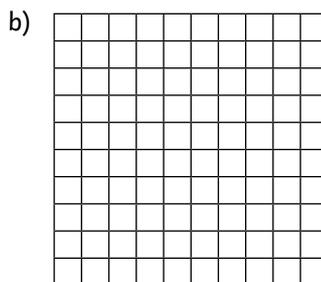


1) Complete the statements.



_____ parts per 100 shaded

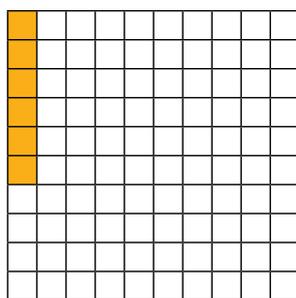
= _____% = $\frac{\quad}{100}$ = 0.73



4 parts per 100 shaded

= _____% = $\frac{\quad}{100}$ = _____

2) Circle the odd one out. Explain why you chose it.



6 parts per 100 shaded

6%

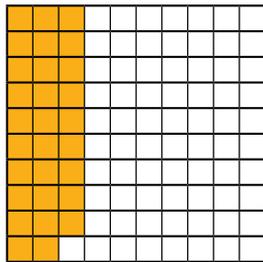
0.6

$\frac{6}{100}$

3) True or False?

a) $\frac{85}{100} < 0.9 > 12\%$

b) 20 parts per hundred $> 2\% > 0.1$

c) $5\% <$  < 0.4

4) Complete the following number statements.

Fraction	Fraction with a Denominator of 100	Percentage	Decimal
$\frac{20}{50}$	$\overset{\times 2}{=} \frac{40}{100}$	_____%	
$\frac{12}{50}$	$= \frac{\square}{100}$	_____%	
$\frac{20}{200}$	$= \frac{\square}{100}$	_____%	
$\frac{90}{200}$	$= \frac{\square}{100}$	_____%	



- 1) Three children are describing a different percentage.
Give two possible percentages that each child could be describing.



Keeva

The fraction equivalent to my percentage is between $\frac{30}{50}$ and $\frac{40}{50}$.



Dilek

As a decimal, my percentage is between 0.3 and 0.35.



Adam

My percentage is between 0.04 and $\frac{14}{200}$.

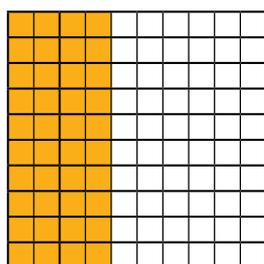
- 2) Ju has written these number statements to show equal amounts.
Look carefully at each of Ju's statements and correct any mistakes.

a) 20 parts per 100 = 20% = 0.02 = $\frac{20}{100}$

b) 10% = 0.1 = $\frac{1}{100}$ = 10 parts per 100

c) $\frac{80}{200} = \frac{40}{100} = \frac{160}{400} = \frac{20}{50}$

- 3) Read each child's statement. Explain and correct any mistakes they have made.



a) Parminder says, "There is between 0.5 and 60% of the 100 square coloured in."

b) Alfie says, "If I coloured in another 0.06 of this 100 square, it would be 100% coloured."

c) Robert says, "The fraction of the 100 square coloured in is $\frac{60}{200}$."

a) _____

b) _____

c) _____



1)



Saminda has driven 136 miles of a 200 mile journey.

Emily has driven 280 miles of a 400 mile journey.



Harry has driven 180 miles of a 300 mile journey.

a) Give each person's journey as a fraction, percentage and decimal.

Saminda _____

Emily _____

Harry _____

b) Which person has completed the greatest proportion of their journey? Give the remainder of their journey as a decimal.

2) If you combine a numerator and denominator from each box below you can make a fraction, e.g. 20 and 100 combine to make $\frac{20}{100}$.

Numerator	Denominator
20, 196, 160, 1, 180, 5, 45, 280, 100	100, 50, 200, 400, 300

a) Make fractions that will fit into the table below. Two examples have been done for you:

A value between and including:

0.01-0.3	35%-55%	0.6-0.9
$\frac{20}{100} = 0.2$	$\frac{20}{50} = \frac{40}{100} = 40\%$	

b) Marie thinks the fraction $\frac{196}{200}$ should be put in the 0.6-0.9 column on the table. Explain why she is wrong.
