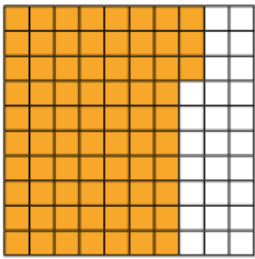


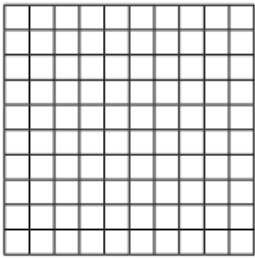
06.05.20


WALT: write percentages as fractions and decimals.

Please complete as much as you are able, starting with sheet 1. They get more challenging as they go along, so if 1 is not challenging you, try 2, then 3.

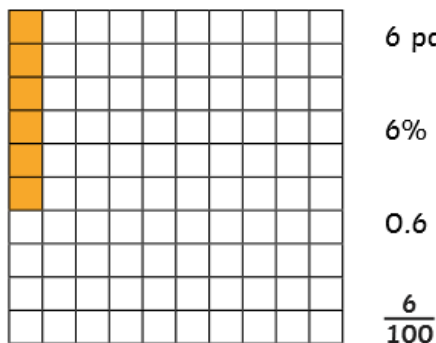
1) **1) Complete the statements.**

a)  _____ parts per 100 shaded
 $= \underline{\hspace{1cm}}\% = \frac{\hspace{1cm}}{100} = 0.73$

b)  4 parts per 100 shaded
 $= \underline{\hspace{1cm}}\% = \frac{\hspace{1cm}}{100} = \underline{\hspace{1cm}}$



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



3) True or False?

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

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

c) $5\% < \img alt="A 10x10 grid with 5 squares shaded orange." data-bbox="658 604 754 671"/> < 0.4$

3) True or False?

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

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

c) $5\% < \img alt="A 10x10 grid with 5 squares shaded orange." data-bbox="184 804 294 881"/> < 0.4$

4) Complete the following number statements.

Fraction	Fraction with a Denominator of 100	Percentage	Decimal
$\frac{20}{50}$	$\begin{array}{c} \times 2 \\ \frac{20}{50} = \frac{40}{100} \\ \times 2 \end{array}$	____%	
$\frac{12}{50}$	$= \frac{\boxed{\hspace{1cm}}}{100}$	____%	
$\frac{20}{200}$	$= \frac{\boxed{\hspace{1cm}}}{100}$	____%	
$\frac{90}{200}$	$= \frac{\boxed{\hspace{1cm}}}{100}$	____%	

2)

- 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 $\frac{14}{200}$.

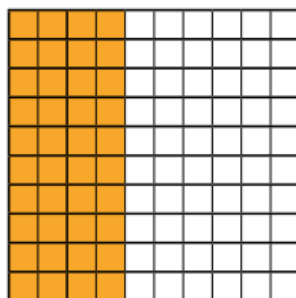
- 2) Ju has written these number statements to show equal amounts.
Look carefully at each of Ju's statements and correct any mistakes.

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

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

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 $\frac{60}{200}$."

3)

1)



Saminda has driven 136 miles of a 200 mile journey.



Emily has driven 280 miles of a 400 mile journey.



Emily



Harry has driven 180 miles of a 300 mile journey.

Harry

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

- Copy the table below and make fractions that will fit into each column. Two examples have been done for you:

A value between and including:

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

- 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.