Equivalent FDP

1 What fraction, decimal and percentage of each grid is shaded blue?

fraction = $\frac{1}{100}$

decimal = 0·01

percentage = 1 %

fraction = $\frac{1}{10}$

decimal = 0·1

percentage = 10 %

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

decimal = 1

percentage = 100 %

2 Match the equivalent fractions, decimals and percentages.

$\frac{15}{100}$	0.05	5%
$\frac{1}{20}$	0.5	15%
$\frac{1}{5}$	0.2	50%
$\frac{1}{2}$	0.15	20%

3 **a)** Shade the grid in the given proportions.

- $\frac{3}{10}$ green
- 0.03 red
- 13% blue
- 0.3 yellow

b) What proportion of the grid is unshaded?

Write your answer as a fraction, decimal and percentage.

fraction = $\frac{6}{25}$ decimal = 0·24 percentage = 24 %

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4 Complete the table.

Fraction	Decimal	Percentage
$\frac{21}{100}$	0.21	21 %
$\frac{3}{25}$	0·12	12%
$\frac{2}{10}$	0·2	20 %
$\frac{2}{5}$	0.4	40 %
$\frac{11}{25}$	0.44	44 %
$\frac{1}{25}$	0·04	4%
$\frac{3}{4}$	0·75	75 %
$\frac{99}{100}$	0.99	99 %

5 Amir was asked to complete the statement using <, > or =.

14% > 0.4

14 is greater than 4

What mistake has Amir made?

He hasn't compared them in the same form. 0·4 = 40 % and 40% > 14 % so 14% < 0·4

6 Match the decimal cards to the people.

My decimal is $\frac{4}{10}$ less than 100%.

My decimal cannot be simplified when it is written as a fraction.

My decimal is 10% less than $\frac{3}{4}$

My decimal is greater than 60%.

0.65

0.57

0.61

0.6

7 Use the digit cards to write a decimal greater than $\frac{1}{5}$ but less than 40%.

You may not use a card more than once in each number.

0	1	2	3	4	5

E.g. 0 . 2 4

How many other answers can you find?

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