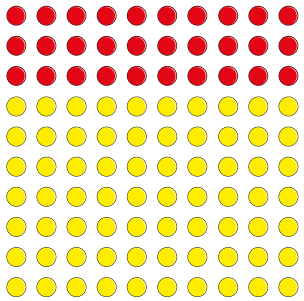
Fractions to percentages

1



a) What fraction of the array of counters is red?

b) What fraction of the array of counters is yellow?

c) What percentage of the array of counters is red?

d) What percentage of the array of counters is yellow?

e) What do you notice about the two percentages?

2 **a)** Shade hundred squares to represent the fractions.

$\frac{40}{100}$ $\frac{65}{100}$

$\frac{1}{2}$ $\frac{7}{10}$

b) Write the fractions as percentages.

c) Compare your shaded grids with a partner's.

What is the same and what is different?

3 Fill in the missing numbers.

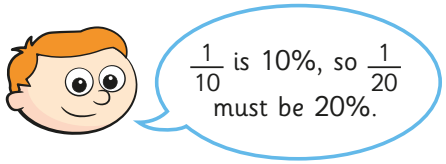
a) $\frac{9}{10} = \frac{\square}{100} = \square\%$

b) $\frac{9}{20} = \frac{\square}{100} = \square\%$

c) $\frac{9}{50} = \frac{\square}{100} = \square\%$

d) $\frac{9}{25} = \frac{\square}{100} = \square\%$

4



Explain the mistake that Ron has made.

What is the correct answer?

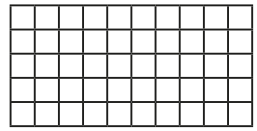
5 Convert the fractions to percentages.

a)	**b)**	**c)**	**d)**
$\frac{1}{4}$	$\frac{1}{5}$	$\frac{16}{20}$	$\frac{45}{50}$
$\frac{1}{2}$	$\frac{2}{5}$	$\frac{8}{20}$	$\frac{9}{10}$
$\frac{3}{4}$	$\frac{4}{5}$	$\frac{4}{20}$	$\frac{18}{20}$

e) What do you notice?

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

- $\frac{3}{5}$ green
- 14% red
- $\frac{4}{20}$ blue
- the rest yellow



b) What percentage of the grid is yellow?

7 **a)** Use each digit card once to make the statements correct.

1	2	3	4	5

$\frac{\square}{\square} > \square$ 0% 75% = $\frac{\square}{4}$ $\frac{3}{\square} < 65\%$

b) Are there any other solutions?