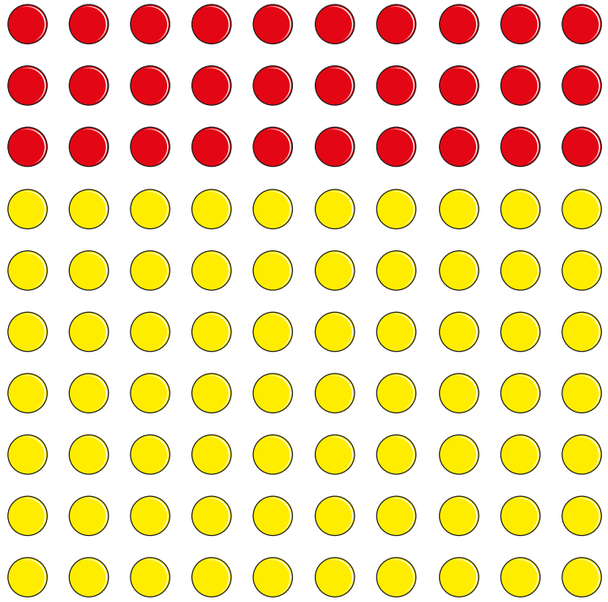
Fractions to percentages

1



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

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

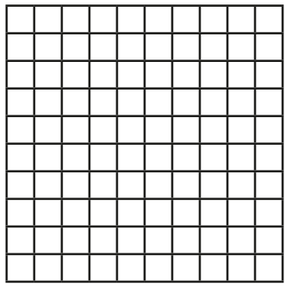
c) What percentage of the array of counters is red? ☐ %

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

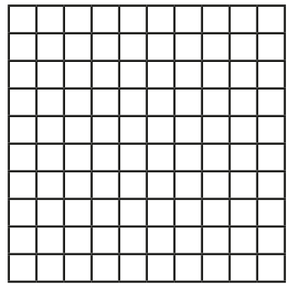
e) What do you notice about the two percentages?

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

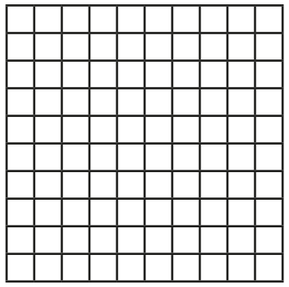
$\frac{40}{100}$



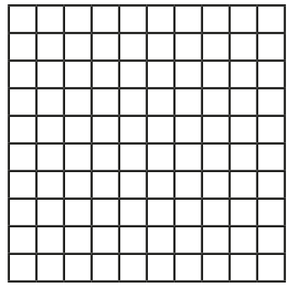
$\frac{65}{100}$



$\frac{1}{2}$



$\frac{7}{10}$



b) Write the fractions as percentages.

$\frac{40}{100}$ = ☐ %

$\frac{65}{100}$ = ☐ %

$\frac{1}{2}$ = ☐ %

$\frac{7}{10}$ = ☐ %

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

What is the same and what is different?

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3 Fill in the missing numbers.

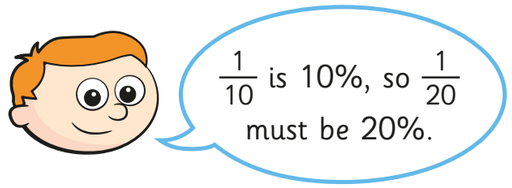
a) $\frac{9}{10} = \frac{\square}{100} = \square\%$

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?

$\frac{1}{20} = \square\%$

5 Convert the fractions to percentages.

a) $\frac{1}{4} = \square$

$\frac{1}{2} = \square$

$\frac{3}{4} = \square$

b) $\frac{1}{5} = \square$

$\frac{2}{5} = \square$

$\frac{4}{5} = \square$

c) $\frac{16}{20} = \square$

d) $\frac{45}{50} = \square$

$\frac{8}{20} = \square$

$\frac{4}{20} = \square$

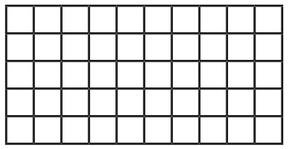
$\frac{9}{10} = \square$

$\frac{18}{20} = \square$

e) What do you notice?

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

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



b) What percentage of the grid is yellow?

$\square\%$

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?

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