**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.

40 100

65 100

12

710

**b)** Write the fractions as percentages.

40 100 = % 65

100 = %

12 = % 710 = %

**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)** 910 = 100 = % **c)** 950 = 100 = %

**b)** 920 = 100 = % **d)** 925 = 100 = %

820 = 910 =

420 = 1820 =

**e)** What do you notice?

**4**

110 is 10%, so 20 1must be 20%.

• 35 green • 14% red

• 35 green • 14% red

• 420 blue • the rest yellow

Explain the mistake that Ron has made.

What is the correct answer?

120 = %

**5** Convert the fractions to percentages.

**a)** 14 = b) 15 =

12 = 25 =

34 = 45 =

**c)** 1620 = **d)** 4550 =

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

**b)** What percentage of the grid is yellow?

%

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

2 1 3 4 5

> 0% 75% = 4 3 < 65%

**b)** Are there any other solutions?