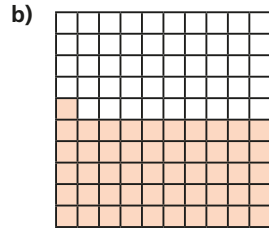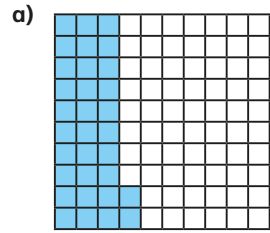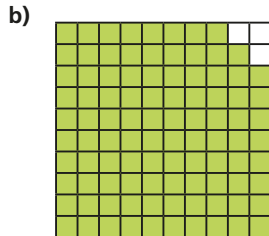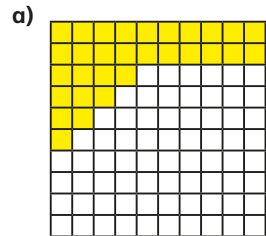**1** For each hundred square, write how many squares have been shaded.

Then write the percentage of the square that is shaded.

a)

b)

2 What fraction of each hundred square has been shaded?

Also write your answer as a percentage.

a)

b)

Discuss how you worked out the percentages.

3 a) Shade 28% of a hundred square.

b) Shade 72% of a hundred square.

c) Dani shades 100% of the squares on a hundred grid.
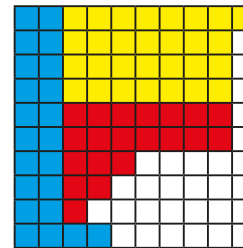
How many squares has she shaded?

4 Shade $\dfrac{11}{100}$ of the grid red and 27% of the grid blue.
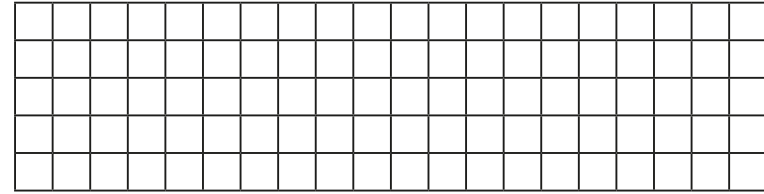
What percentage of the grid is not shaded?

Explain or show your method.

5 a) Complete the table for the hundred square.

Colour	% shaded
blue	
red	
yellow	
white	

b) What check could you make to help you work out if you are right?

6 Complete the statements.

a) $\dfrac{1}{5} = \dfrac{\boxed{}}{10} = \dfrac{\boxed{}}{100} = \boxed{}$ %

c) $\dfrac{3}{4} = \dfrac{\boxed{}}{100} = \boxed{}$ %

b) $\dfrac{1}{4} = \dfrac{\boxed{}}{100} = \boxed{}$ %

4 Shade $\frac{11}{100}$ of the grid red and 27% of the grid blue.
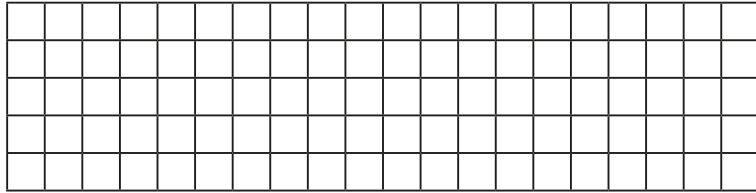
What percentage of the grid is not shaded?

Explain or show your method.

5 a) Complete the table for the hundred square.

Colour	% shaded
blue	
red	
yellow	
white	

b) What check could you make to help you work out if you are right?
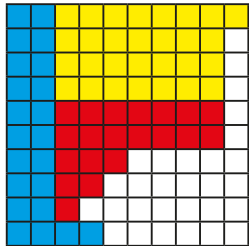
6 Complete the statements.

a) $\frac{1}{5} = \dfrac{\boxed{}}{10} = \dfrac{\boxed{}}{100} = \boxed{}$ %

c) $\frac{3}{4} = \dfrac{\boxed{}}{100} = \boxed{}$ %

b) $\frac{1}{4} = \dfrac{\boxed{}}{100} = \boxed{}$ %

7 a) Complete the table.

Fraction shaded	$\frac{40}{100}$	$\frac{8}{10}$	$\frac{20}{1000}$
Percentage shaded			

b) If you shade 73% of a hundred square, what fraction is unshaded?

8 A rectangle is made up of 50 squares.
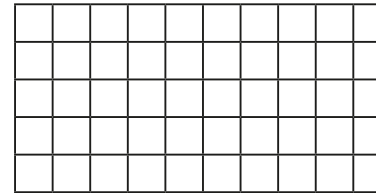
Shade 46% of this rectangle.

Compare answers with a partner.

Did you get the same answer?

What mistakes do you think some people make?

9 What percentage of each diagram is shaded?