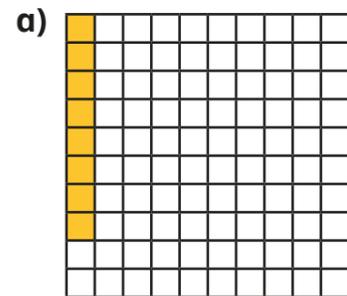


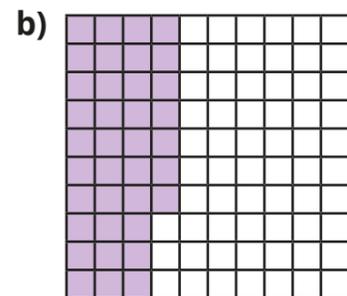
# Understand percentages

1 Complete the sentences for each diagram.



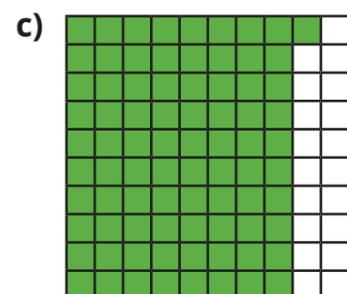
There are  parts out of a hundred shaded.

This is  %.



There are  parts out of a hundred shaded.

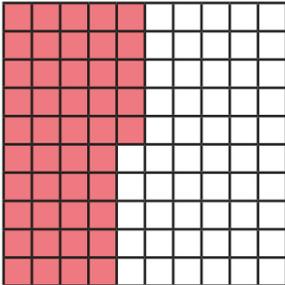
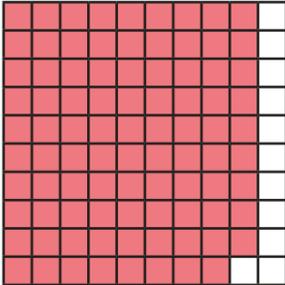
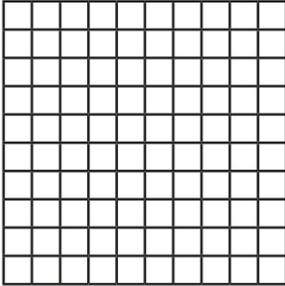
This is  %.



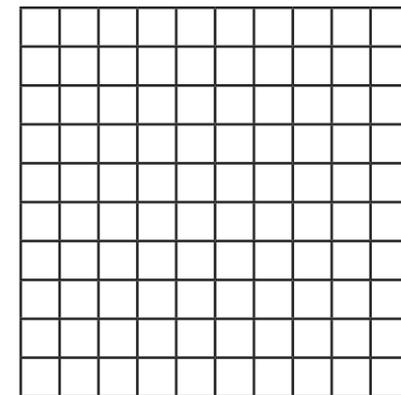
There are  parts out of a hundred shaded.

This is  %.

2 Complete the table.

Hundred square	Percentage
	
	
	38%

3



a) Shade 21% of the hundred square red.

b) Shade 43% of the hundred square blue.

c) What percentage of the hundred square is **not** shaded?  %

4 a) Is 1% of this bar model shaded? \_\_\_\_\_

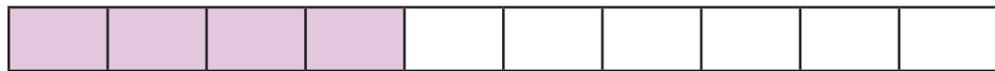


Explain your reasoning.

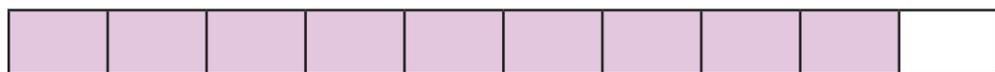
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b) What percentage of each bar model is shaded?



%



%



%

5 Shade the percentages on the bar models.

a) 85%



b) 65%



6 Ron, Alex and Amir are exploring how to make 75%.

Ron	Alex	Amir
$75\% = 50\% + 25\%$	$75\% = 3 \times 25\%$	$75\% = 100\% - 25\%$

Which method is correct?

Circle your answer.

**none of them**    **Ron's**    **Alex's**    **Amir's**    **all of them**

Explain your answer.

7 Find at least three different ways to make each percentage.

a) 80%

b) 65%

c) 99%

Compare answers with a partner.

Are there any other ways?