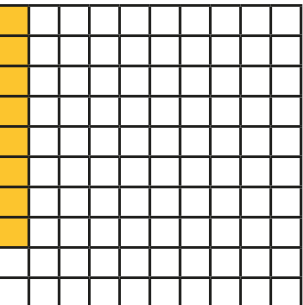
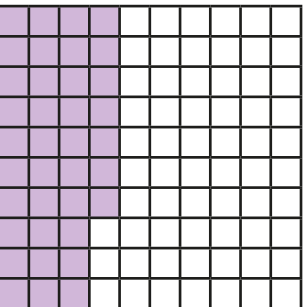


# Understand percentages

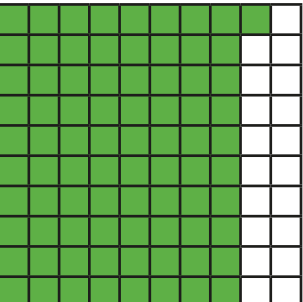
1 Complete the sentences for each diagram.

a)  There are  parts out of a hundred shaded.

This is  %.

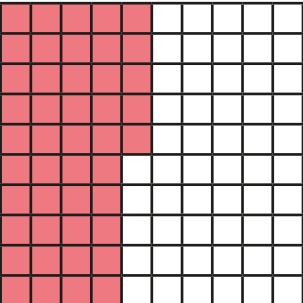
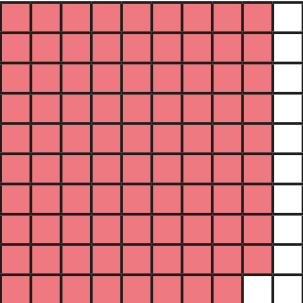
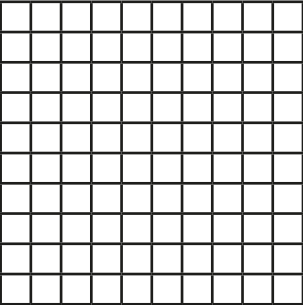
b)  There are  parts out of a hundred shaded.

This is  %.

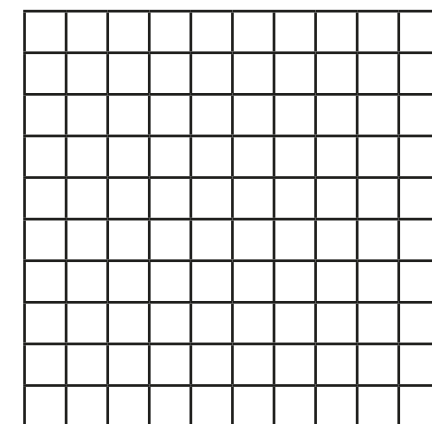
c)  There are  parts out of a hundred shaded.

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? \_\_\_\_\_

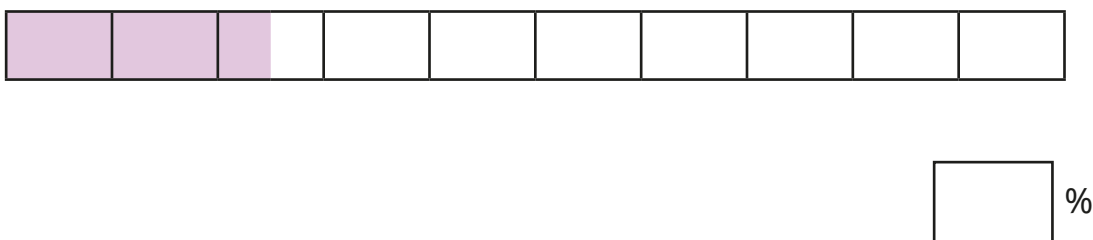
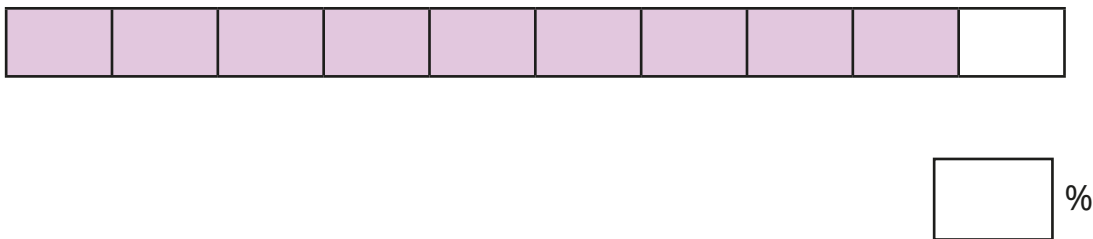
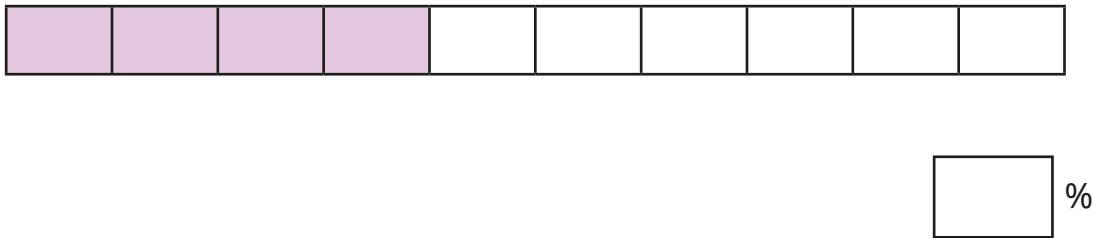


Explain your reasoning.

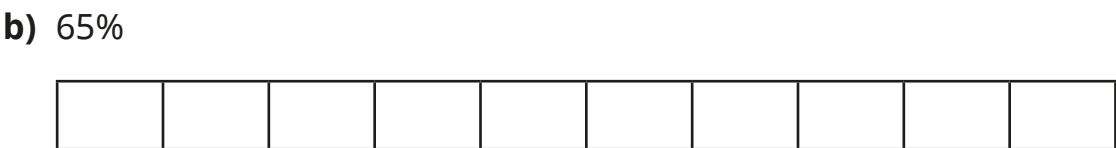
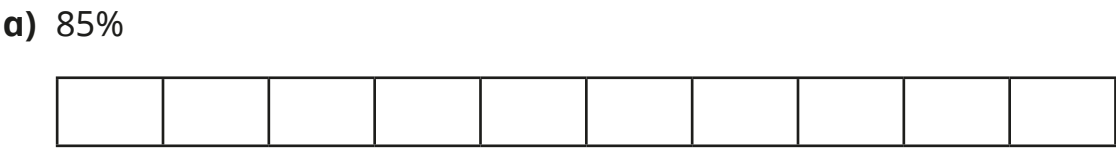
\_\_\_\_\_

\_\_\_\_\_

b) What percentage of each bar model is shaded?



5 Shade the percentages on the bar models.



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?