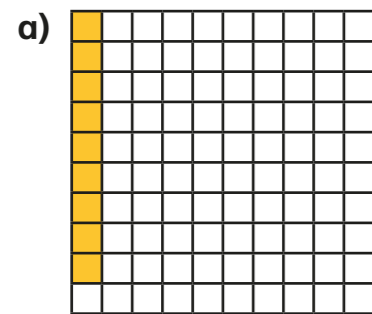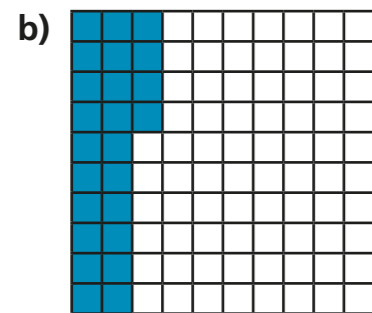# Understand percentages

1 Complete the sentence for each diagram.
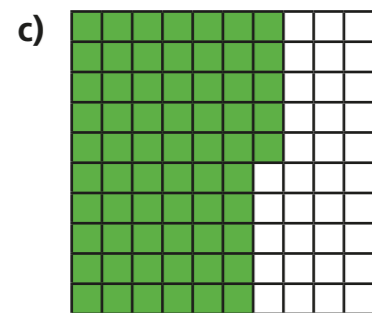
a)

There are ☐ parts out of a hundred shaded.

This is ☐ %.

b)

There are ☐ parts out of a hundred shaded.

This is ☐ %.

c)
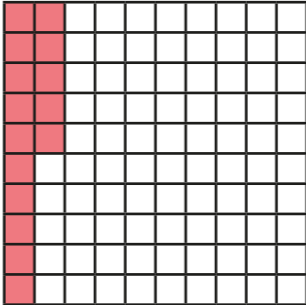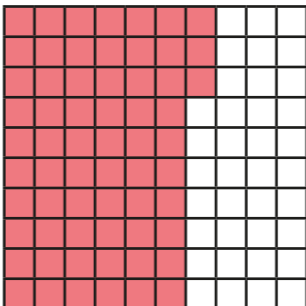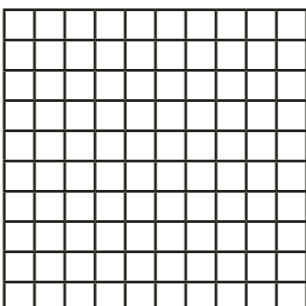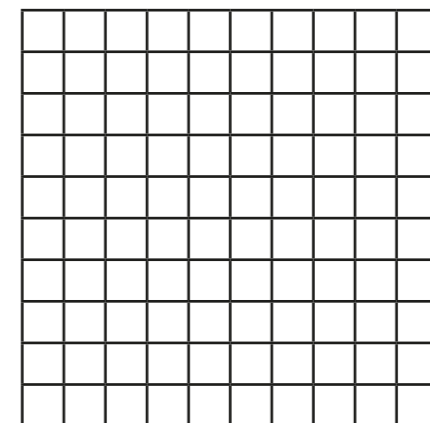
There are ☐ parts out of a hundred shaded.

This is ☐ %.

2 Complete the table.

Hundred square	Percentage
	82%

3 Shade 15% of the hundred square red.

Shade 32% of the hundred square blue.

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

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

1%									

Explain your reasoning.

_____

_____

b) What percentage of each bar model is shaded?

[bar model with 3 of 10 segments shaded]

[   ] %

[bar model with 7 of 10 segments shaded]

[   ] %

5 Passengers are boarding a plane.

The plane has 100 seats.

a) 10% of the seats are already full.

How many passengers are already on the plane? [   ]

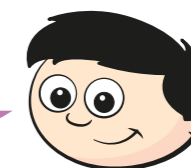**b)** 15% of the seats have not been booked.

How many seats have been booked? [   ]

c) How many passengers still need to board the plane? [   ]

6 Dexter has £1 to spend.

He buys some stickers.

I got 35p change.

What percentage of his money did Dexter spend?

[   ] %

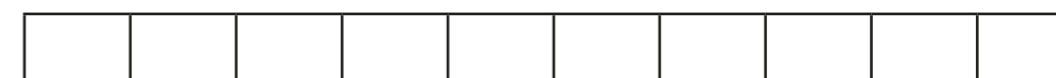**7** Aisha and Brett have been selling tickets for the school play.

There are 100 seats available.

- On Monday they sold 34% of the tickets.
- On Tuesday they sold 42 tickets.
- By the end of Wednesday, 95% of the tickets had been sold.

How many tickets did they sell on Wednesday?

On Wednesday they sold [   ] tickets.

8 Shade 85% of this bar model.

Compare answers with a partner.