1. Complete the sentence for each diagram.

a) There are \( \frac{9}{100} \) parts out of a hundred shaded.
   This is \( 9\% \).

b) There are \( \frac{24}{100} \) parts out of a hundred shaded.
   This is \( 24\% \).

c) There are \( \frac{65}{100} \) parts out of a hundred shaded.
   This is \( 65\% \).

2. Complete the table.

<table>
<thead>
<tr>
<th>Hundred square</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Hundred square" /></td>
<td>15%</td>
</tr>
<tr>
<td><img src="image2" alt="Hundred square" /></td>
<td>63%</td>
</tr>
<tr>
<td><img src="image3" alt="Hundred square" /></td>
<td>82%</td>
</tr>
</tbody>
</table>

3. Shade 15\% of the hundred square red.
Shade 32\% of the hundred square blue.

What percentage of the hundred square is not shaded? \( 53\% \)
4 a) Is 1% of this bar model shaded? **No**

Explain your reasoning.

It's split into 10 parts so each part is 10%

b) What percentage of each bar model is 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? **10**

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

How many seats have been booked? **85**

c) How many passengers still need to board the plane? **75**

6 Dexter has £1 to spend.
He buys some stickers.

I got 35p change.

What percentage of his money did Dexter spend?

\[
\frac{65p}{100p} = 65\% 
\]

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

How many tickets did they sell on Wednesday?

\[
34 + 42 = 76 \\
95 - 76 = 19 
\]

On Wednesday they sold **19** tickets.

8 Shade 85% of this bar model.

Compare answers with a partner.