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.

<table>
<thead>
<tr>
<th>Hundred square</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Red Squares" /></td>
<td>82%</td>
</tr>
<tr>
<td><img src="image2.png" alt="Blue Squares" /></td>
<td></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? __%
4. a) Is 1% of this bar model shaded? 

Explain your reasoning.

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?

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.

   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?

8. Shade 85% of this bar model.
   Compare answers with a partner.