Here are four hundred squares.

<table>
<thead>
<tr>
<th>Hundred square</th>
<th>Percentage</th>
<th>Fraction</th>
<th>Decimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>52%</td>
<td>$\frac{52}{100}$</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Prove that 0.2 is equal to 20%.
   You may use the hundred square to help you.

Why do you think some people think that 0.2 is equal to 2%?

3. Complete the fraction, decimal and percentage equivalents.
   a) $32\% = \frac{17}{100} = \boxed{0.32} = \boxed{32\%}$
   b) $17\% = \frac{17}{100} = \boxed{0.17} = \boxed{17\%}$
   c) $0.29 = \frac{29}{100} = \boxed{0.29} = \boxed{29\%}$
   d) $0.71 = \frac{71}{100} = \boxed{0.71} = \boxed{71\%}$
   e) $0.03 = \frac{3}{100} = \boxed{0.03} = \boxed{3\%}$
4 Write <, > or = to complete the statements.

a) 50% 5 \(\frac{5}{100}\)

d) 40% 40 \(\frac{40}{100}\)

b) 25% 50 \(\frac{50}{100}\)

e) 7% 7 \(\frac{7}{100}\)

c) 14% 41 \(\frac{41}{100}\)

f) 82% 82 \(\frac{82}{100}\)

5 Write the values in order from smallest to greatest.

a) 33% \(\frac{33}{100}\) 3% \(\frac{3}{100}\)

b) 91 \(\frac{91}{100}\) 9% \(\frac{9}{10}\)

c) 2.5 \(\frac{250}{100}\) 25 25% of 100 \(\frac{25}{1000}\)

6 Convert the fractions to hundredths.

Complete the decimal and percentage equivalents.

a) \(\frac{150}{300}\) = \(\frac{1}{2}\) = \(\frac{50}{100}\) = 50%

b) \(\frac{25}{500}\) = \(\frac{1}{20}\) = \(\frac{25}{100}\) = 25%

c) \(\frac{48}{300}\) = \(\frac{4}{25}\) = \(\frac{48}{100}\) = 48%

7 Circle all the fractions that are greater than or equal to 50%.

- \(\frac{10}{50}\)
- \(\frac{4}{5}\)
- \(\frac{50}{100}\)

- \(\frac{30}{80}\)
- \(\frac{1}{50}\)
- \(\frac{70}{140}\)

8 Jack and Dora go shopping with the same amount of money.

Jack spends \(\frac{1}{3}\) of his money.

Dora spends 30% of her money.

a) Who spends more money? ________________

Use fraction and percentage equivalence to explain your answer.

b) Jack and Dora each started with £300

How much money do they each have left?

Jack \[\underline{\ ]}\] Dora \[\underline{\ ]}\]