Here are four hundred squares.

Complete the table.

<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>0.52</td>
</tr>
<tr>
<td>B</td>
<td>24 %</td>
<td>\frac{24}{100}</td>
<td>0.24</td>
</tr>
<tr>
<td>C</td>
<td>88 %</td>
<td>\frac{88}{100}</td>
<td>0.88</td>
</tr>
<tr>
<td>D</td>
<td>100 %</td>
<td>\frac{100}{100}</td>
<td>1</td>
</tr>
</tbody>
</table>

Prove that 0.2 is equal to 20%.

You may use the hundred square to help you.

\[
0.2 = \frac{2}{10} = \frac{20}{100}
\]

\[
20\% = \frac{20}{100}
\]

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

Complete the fraction, decimal and percentage equivalents.

a) 32\% = \frac{32}{100} = 0.32
b) 17\% = \frac{17}{100} = 0.17
c) 0.29 = \frac{29}{100} = 29\%

\[
35\% = \frac{35}{100} = 0.35
\]

\[
48\% = \frac{48}{100} = 0.48
\]

\[
0.71 = \frac{71}{100} = 71\%
\]

\[
0.03 = \frac{3}{100} = 3\%
\]

\[
\frac{17}{100} = 17\% = 0.17
\]

\[
\frac{9}{100} = 9\% = 0.09
\]

\[
\frac{90}{100} = 90\% = 0.9
\]
4. Write <, > or = to complete the statements.

   a) 50% \( \frac{5}{100} \)  
   b) 25% \( \frac{50}{100} \)  
   c) 14% \( \frac{41}{100} \)  
   d) \( \frac{40}{100} \) = 40%  
   e) \( \frac{70}{100} \) > 7%  
   f) 82% \( \frac{82}{100} \)

5. Write the values in order from smallest to greatest.

   a) 33% \( \frac{30}{100} \)  3% \( \frac{13}{100} \)  
   b) 299% \( \frac{91}{100} \)  9% \( \frac{9}{10} \)  
   c) 2.5 \( \frac{25}{100} \)  250 \( \frac{25}{1000} \)  
   d) \( \frac{18}{50} \) = \( \frac{36}{100} \) = 0.36 = 36%  
   e) \( \frac{13}{25} \) = \( \frac{52}{100} \) = 0.52 = 52%  

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

   10 \( \frac{10}{50} \)  4 \( \frac{4}{5} \)  50 \( \frac{50}{100} \)  30 \( \frac{30}{80} \)  1 \( \frac{1}{50} \)  70 \( \frac{70}{140} \)  

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? \[ \text{Jack} \]

   Use fraction and percentage equivalence to explain your answer.

   \( \frac{1}{3} = 0.333 \ldots = 33\frac{1}{3} \%

   \( 30\% + \frac{1}{10} = 0.1 = 10 \%

   b) Jack and Dora each started with £300

   How much money do they each have left?

   \[ \text{Jack} \, \£200 \, \text{Dora} \, \£210 \]