Here are four hundred squares.


Complete the table.

| Hundred <br> square | Percentage | Fraction | Decimal |
| :---: | :---: | :---: | :---: |
| A |  | $\frac{52}{100}$ |  |
| B |  |  |  |
| C |  |  |  |
| D |  |  |  |

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) $32 \%=\frac{\square}{100}=\square$ $35 \%=\frac{\square}{100}=\square$

$$
48 \%=\frac{\square}{100}=\square
$$

c) $0.29=\square \%=\frac{\square}{100}$

$$
0.71=\square \%=\frac{\square}{100}
$$

$$
0.03=\square \%=\frac{\square}{100}
$$

b) $\frac{17}{100}=\square \%=\square$ $\frac{9}{100}=\square \%=\square$
$\frac{90}{100}=\square \%=\square$

4 Write $<$, $>$ or = to complete the statements.
a) $50 \%$

d)

b) $25 \%$

c) $14 \%$

e)

f) $82 \%$


5 Write the values in order from smallest to greatest.
a) $33 \% \quad \frac{30}{100} \quad 3 \% \quad \frac{13}{100}$
b) $299 \% \quad \frac{91}{100} \quad 9 \% \quad \frac{9}{10}$
c) 2.5
$\frac{25}{100}$

## $\frac{25}{1000}$

6 Convert the fractions to hundredths.
Complete the decimal and percentage equivalents.
a) $\frac{150}{300}=\frac{\square}{100}=\square=\square \%$
b) $\frac{25}{500}=\frac{\square}{100}=\square=\square \%$
c) $\frac{48}{300}=\frac{\square}{100}=\square=\square \%$
d) $\frac{18}{50}=\frac{\square}{100}=\square=\square \%$
e) $\frac{13}{25}=\frac{\square}{100}=\square=\square \%$
7) Circle all the fractions that are greater than or equal to $50 \%$.
$\frac{10}{50}$

$\frac{50}{100}$
$\square$
$\frac{30}{80}$


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?


Dora $\square$

