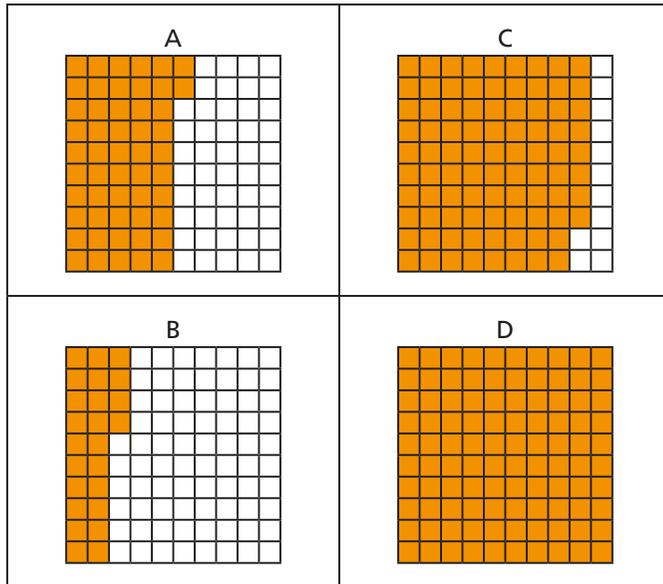


1 Here are four hundred squares.



Complete the table.

Hundred square	Percentage	Fraction	Decimal
A		$\frac{52}{100}$	
B			
C			
D			

2 Prove that 0.2 is equal to 20%.

You may use a 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) $50\% \bigcirc \frac{5}{100}$

d) $\frac{40}{100} \bigcirc 40\%$

b) $25\% \bigcirc \frac{50}{100}$

e) $\frac{70}{100} \bigcirc 7\%$

c) $14\% \bigcirc \frac{41}{100}$

f) $82\% \bigcirc \frac{82}{100}$

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 25% of 100 $\frac{25}{1000}$



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6 Convert the fractions to hundredths.

Give the decimal and percentage equivalents.

a) $\frac{150}{300}$

c) $\frac{48}{300}$

e) $\frac{13}{25}$

b) $\frac{25}{500}$

d) $\frac{18}{50}$

7 Which fractions 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?