Fractions-decimals-percentages

6 questions | 13 marks

Equivalent correct methods earn the corresponding marks.

1. Write $\frac{7}{20}$ as a decimal and percentage. [2 marks]

$\frac{7}{20} = \frac{35}{100}$.

Answer: $0.35 = 35\%$

2. Write 0.45 as a percentage and simplified fraction. [2 marks]

$0.45 = \frac{45}{100} = \frac{9}{20}$.

Answer: $45\% = \frac{9}{20}$

3. Write 125% as a decimal and an improper fraction. [2 marks]

$125\% = \frac{125}{100} = \frac{5}{4} = 1.25$.

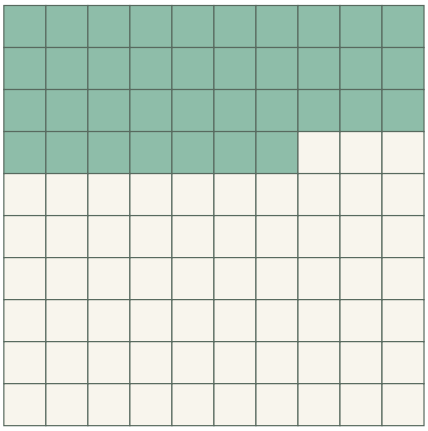
Answer: $1.25 = \frac{5}{4}$

4. Which is largest: 0.72, $\frac{3}{4}$ or 70%? [2 marks]

They equal 72 percent, 75 percent and 70 percent.

Answer: $\frac{3}{4}$

5. Use the supplied hundred-square grid. Write the shaded share as a fraction, decimal and percentage. [2 marks]



37 of 100 squares shaded

One grid is one whole.

There are 100 equal squares and 37 are shaded.

Answer: $\frac{37}{100}$, 0.37, 37%

6. Tess says $40\% = 40$. Explain why she is wrong. [3 marks]

Percent means out of 100, so $40\% = \frac{40}{100} = 0.4$.

Answer: $40\% = 0.4$, not 40.