Fraction connections

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Write $\frac{3}{10}$ as a decimal. [1 mark]

The fraction counts three tenths.

Answer: 0.3

2. Write $\frac{7}{100}$ as a decimal. [1 mark]

Seven belongs in the hundredths place.

Answer: 0.07

3. Write 0.23 as a fraction with denominator 100. [1 mark]

The amount is twenty-three hundredths.

Answer: $\frac{23}{100}$

4. Write 0.8 as a fraction in tenths and in hundredths. [2 marks]

Eight tenths contain eighty hundredths.

Answer: $\frac{8}{10} = \frac{80}{100}$

5. Write $\frac{1}{2}$ and $\frac{1}{4}$ as decimals. [2 marks]

One half is five tenths; one quarter is twenty-five hundredths.

Answer: 0.5 and 0.25.

6. Which is larger, $\frac{2}{5}$ or 0.35? Explain. [2 marks]

$\frac{2}{5} = 0.4 = 0.40$; forty hundredths is more than thirty-five hundredths.

Answer: $\frac{2}{5}$