

Stage 5 Cambridge Primary Mathematics Assessment

Learning Objectives Covered:

- **5Nf.01:** Understand that a fraction can be represented as a division of the numerator by the denominator ($1 \div 4 = \frac{1}{4}$).
- **5Nf.04:** Recognise that proper fractions, decimals (one decimal place), and percentages can have equivalent values.

Section A: Division Statements & Fractions

Instructions: Fill in the missing fraction or division statement.

1. The fraction $\frac{1}{4}$ can be written as the division statement $1 \div \underline{\hspace{2cm}}$.
2. The division statement $3 \div 10$ represents the fraction $\underline{\hspace{2cm}}$.
3. A ribbon is 1 metre long. If it is cut into 4 equal pieces, the calculation $1 \div 4$ gives each piece a length of $\underline{\hspace{2cm}}$ metres (written as a decimal).
4. The division statement $1 \div 2$ gives the decimal value of $\underline{\hspace{2cm}}$.

Section B: Equivalences (Fractions, Decimals, & Percentages)

Instructions: Complete the equivalence statements.

5. The fraction $\frac{1}{2}$ is equivalent to the decimal 0.5 and the percentage $\underline{\hspace{2cm}}\%$.
6. The decimal 0.1 is equivalent to the fraction $\frac{1}{10}$ and the percentage $\underline{\hspace{2cm}}\%$.
7. The fraction $\frac{3}{4}$ has a decimal value of $\underline{\hspace{2cm}}$.
8. $\frac{5}{10}$ expressed as a decimal with one decimal place is $\underline{\hspace{2cm}}$.

Section C: Misconception Checks & Reasoning

Instructions: Fill in the missing words or numbers to complete the mathematical corrections.

9. A learner incorrectly states that $\frac{1}{4}$ is equal to 1.4. The correct decimal value for $\frac{1}{4}$ is actually $\underline{\hspace{2cm}}$.
10. If $\frac{1}{10} = 0.1$, then $\frac{7}{10}$ expressed as a decimal is $\underline{\hspace{2cm}}$.