



Converting Fractions and Decimals

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: $2 \frac{1}{2}$ written as a decimal is 2.12.

Rewrite: _____

2. Fix the sentence: $3 \frac{3}{4}$ written as a decimal is 3.34.

Rewrite: _____

3. Fix the sentence: The decimal 4.25 written as a mixed number is $4 \frac{25}{10}$.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- The mixed number $5 \frac{1}{2}$ written as a decimal is _____.
- The decimal 6.75 written as a mixed number is 6 _____ /4.
- The mixed number $1 \frac{1}{4}$ written as a decimal is _____.
- The decimal 2.5 written as a mixed number is 2 _____ /2.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how to convert the mixed number $4 \frac{3}{4}$ to a decimal.

2. Convert 3.5 to a mixed number and explain your steps.

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: $2 \frac{1}{2}$ written as a decimal is 2.12.

Rewrite: $2 \frac{1}{2}$ written as a decimal is 2.5.

2. Fix the sentence: $3 \frac{3}{4}$ written as a decimal is 3.34.

Rewrite: $3 \frac{3}{4}$ written as a decimal is 3.75.

3. Fix the sentence: The decimal 4.25 written as a mixed number is $4 \frac{25}{10}$.

Rewrite: The decimal 4.25 written as a mixed number is $4 \frac{1}{4}$.

Part B: Fill in the Blank

Write the missing word or number on each line.

- The mixed number $5 \frac{1}{2}$ written as a decimal is 5.5.
- The decimal 6.75 written as a mixed number is 6 3 /4.
- The mixed number $1 \frac{1}{4}$ written as a decimal is 1.25.
- The decimal 2.5 written as a mixed number is 2 1 /2.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how to convert the mixed number $4 \frac{3}{4}$ to a decimal.

First, change $\frac{3}{4}$ to a decimal by dividing 3 by 4, which equals 0.75. Then add 0.75 to the whole number 4 to get the terminating decimal 4.75.

2. Convert 3.5 to a mixed number and explain your steps.

The whole number is 3, and 0.5 equals $\frac{5}{10}$. Simplify $\frac{5}{10}$ by dividing top and bottom by 5 to get $\frac{1}{2}$. The mixed number is $3 \frac{1}{2}$.
