



# 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: The percentage 50% equals the decimal 0.50 and the fraction  $1/5$ .

Rewrite: \_\_\_\_\_

2. Fix the sentence: The percent 25% equals the decimal 0.25 and the fraction  $1/2$ .

Rewrite: \_\_\_\_\_

3. Fix the sentence: The fraction  $3/4$  written as a percentage is 34%.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

- The percentage 75% written as a decimal is \_\_\_\_\_ .
- The fraction  $1/2$  written as a percent is \_\_\_\_\_ %.
- The decimal 0.25 written as a percentage is \_\_\_\_\_ %.
- The percent 10% written as a fraction in lowest terms is  $1/$  \_\_\_\_\_ .

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how to convert 50% to both a fraction and a decimal.

\_\_\_\_\_  
\_\_\_\_\_

2. How do you convert the fraction  $1/4$  to a percentage? Show your steps.

\_\_\_\_\_  
\_\_\_\_\_

## Answer Key · Converting Fractions and Decimals · Grade: Grade 5

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### Part A: Fix the Sentence

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

1. Fix the sentence: The percentage 50% equals the decimal 0.50 and the fraction  $1/5$ .

Rewrite: **The percentage 50% equals the decimal 0.50 and the fraction  $1/2$ .**

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2. Fix the sentence: The percent 25% equals the decimal 0.25 and the fraction  $1/2$ .

Rewrite: **The percent 25% equals the decimal 0.25 and the fraction  $1/4$ .**

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3. Fix the sentence: The fraction  $3/4$  written as a percentage is 34%.

Rewrite: **The fraction  $3/4$  written as a percentage is 75%.**

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### Part B: Fill in the Blank

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Write the missing word or number on each line.

- The percentage 75% written as a decimal is 0.75.
- The fraction  $1/2$  written as a percent is 50 %.
- The decimal 0.25 written as a percentage is 25 %.
- The percent 10% written as a fraction in lowest terms is  $1/$  10.

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. Explain how to convert 50% to both a fraction and a decimal.

*Write 50% as  $50/100$ . To get the decimal, divide 50 by 100 to get 0.5. To get the fraction, simplify  $50/100$  by dividing top and bottom by 50, which gives  $1/2$ .*

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2. How do you convert the fraction  $1/4$  to a percentage? Show your steps.

*First divide 1 by 4 to get the decimal 0.25. Then multiply 0.25 by 100, or move the decimal point two places right, to get 25%.*

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