



# 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:

To convert  $1/2$  to a decimal in Grade 5 math, the answer is 0.2 because the denominator is 2.

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

2. Fix the sentence:

In Grade 5, the fraction  $1/4$  written as a decimal is 0.4 since 4 is the denominator value.

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

3. Fix the sentence:

A Grade 5 student converted  $3/4$  and said the equivalent decimal value is 0.34 in simplest form.

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

## Part B: Fill in the Blank

Write the missing word or number on each line.

- In Grade 5 math, the fraction  $1/2$  written as a decimal equals \_\_\_\_\_ because 1 divided by 2 is one half.
- Grade 5 learners convert  $1/5$  to a decimal by writing  $1/5$  as  $2/10$ , which equals \_\_\_\_\_ in decimal form.
- When a Grade 5 student converts  $1/10$  to a decimal form, the correct answer they write down is \_\_\_\_\_ exactly.
- A Grade 5 worksheet asks for  $3/4$  as a decimal; the correct equivalent decimal answer is \_\_\_\_\_ in simplest form.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how a Grade 5 student converts the fraction  $1/4$  into a decimal using division and place value.

## 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:

To convert  $\frac{1}{2}$  to a decimal in Grade 5 math, the answer is 0.2 because the denominator is 2.

Rewrite: **To convert  $\frac{1}{2}$  to a decimal in Grade 5 math, the answer is 0.5 because 1 divided by 2 equals 0.5.**

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2. Fix the sentence:

In Grade 5, the fraction  $\frac{1}{4}$  written as a decimal is 0.4 since 4 is the denominator value.

Rewrite: **In Grade 5, the fraction  $\frac{1}{4}$  written as a decimal is 0.25 since 1 divided by 4 equals 0.25.**

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3. Fix the sentence:

A Grade 5 student converted  $\frac{3}{4}$  and said the equivalent decimal value is 0.34 in simplest form.

Rewrite: **A Grade 5 student converted  $\frac{3}{4}$  and said the equivalent decimal value is 0.75 in simplest form.**

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### Part B: Fill in the Blank

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Write the missing word or number on each line.

- In Grade 5 math, the fraction  $\frac{1}{2}$  written as a decimal equals **0.5** because 1 divided by 2 is one half.
- Grade 5 learners convert  $\frac{1}{5}$  to a decimal by writing  $\frac{1}{5}$  as  $\frac{2}{10}$ , which equals **0.2** in decimal form.
- When a Grade 5 student converts  $\frac{1}{10}$  to a decimal form, the correct answer they write down is **0.1** exactly.
- A Grade 5 worksheet asks for  $\frac{3}{4}$  as a decimal; the correct equivalent decimal answer is **0.75** in simplest form.

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. Explain how a Grade 5 student converts the fraction  $\frac{1}{4}$  into a decimal using division and place value.

*A Grade 5 student divides 1 by 4 to get 0.25. They can also rewrite  $\frac{1}{4}$  as  $\frac{25}{100}$ , which equals 0.25 because the hundredths place shows twenty-five hundredths.*