

# Decimals to Fractions Review

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## Understanding Decimal and Fraction Connections

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on the lesson about converting decimals to fractions.

1. What is the first step to convert a decimal to a fraction?

- A. Identify the decimal place value
- B. Write the decimal as a whole number
- C. Simplify the fraction

2. To convert 0.75 to a fraction, we write it as \_\_\_ over 100.

3. Why do we need different ways to represent numbers?

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4. A fraction is in lowest terms when the numerator and denominator have no common factors other than 1.

- True       False

5. Which decimal represents the fraction  $\frac{1}{4}$ ?

- A. 0.25
- B. 0.50
- C. 0.75

6. What steps do we follow to convert decimals to fractions?

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7. To simplify the fraction  $\frac{6}{8}$ , we divide both the numerator and denominator by \_\_\_.

8. 0.5 can be simplified to the fraction  $\frac{1}{3}$ .

- True       False

9. What is the simplified form of the fraction  $\frac{10}{100}$ ?

- A.  $\frac{1}{10}$
- B.  $\frac{1}{5}$
- C.  $\frac{1}{2}$

10. How are decimals like fractions?

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Answer Key

1. Identify the decimal place value 2. 75 3. Different representations help us understand and use numbers in various contexts, like measurements or financial calculations. 4. True 5. 0.25 6. First, identify the place value of the decimal. Then, create a fraction using that place value as the denominator. Finally, simplify the fraction if possible. 7. 2 8. False 9.  $\frac{1}{5}$  10. Decimals and fractions both represent parts of a whole. They can be converted into each other, showing the same value in different forms.