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Learn How To Convert .25 As A Fraction (https://www.tadalive.com/blog/26814/learn-how-to-convert-25-as-a-fraction/)



by [100 Celebrities](https://www.tadalive.com/profile-google6405af33b433f) on March 6, 2023



(<https://www.tadalive.com/>):

In mathematics, especially algebra and higher level mathematics, the ability to convert decimals to fractions is highly essential. People often need to convert decimals to fractions, such as .25. Since there is just one number after the decimal point, this decimal can be converted to a fraction quite easily. In this post, we'll go through step-by-step instructions for converting **.25 as a fraction** (<https://100celebrities.com/25-as-a-fraction-2/>).



What is Decimal ?

Smaller numbers than 1 unit are represented by decimal numbers. When writing decimals, a period is used to separate them from the unit's position. The term "decimal" refers to a fraction, such as 0.5, 0.25, or 0.125, that has a denominator of 10 or a power of 10. These fractions have a finite or repeating decimal representation, which allows them to be stated as decimals. Knowing the decimal definition is important regarding the .25 as a fraction conversion.

When expressed in decimal form, the fractions 1/10 and 3/100, for instance, equal 0.1 and 0.03 respectively. Similar to the fraction 1/3, the decimal counterpart can be written as 0.333, with the ellipsis signifying that the digits 3 repeat indefinitely. However, the fraction 1/3 cannot be expressed as a decimal with a finite number of digits. Mathematical operations like addition, subtraction, multiplication, and division also frequently use them. Keep reading to know more about .25 as a fraction.

What is Fraction?

A fraction is a method to show a number as a portion of a whole. The denominator of a fraction is the entire number of equally-sized pieces that make up the whole, while the numerator denotes the portion of the whole that is being evaluated. Learning the fraction definition is important regarding the .25 as a fraction conversion.

For example, if a pizza is sliced into eight equal pieces and three of those slices are consumed, the fraction representing the number of consumed slices would be 3/8. In this situation, the denominator is eight and the numerator is three, representing the three slices that were consumed and the total number of slices in the entire pizza. Read below to check out the process to convert .25 as a fraction.

How to convert .25 as a fraction?

Step 1 - Identify the place value of the digit after the decimal point

The digit following the decimal point is 2 in the decimal 0.25. The decimal place value for the number 2 is in the hundredths place. In other words, the 2 stands for 2/100, or 0.02.

Step 2 - Write the decimal in fraction form

By placing the decimal value over the place value of the number 2, it is possible to express the decimal .25 as a fraction. The place value in this instance is 100, and the decimal value is 25. As a result, 0.25 can be expressed as:

$$0.25 = 25/100$$

Step 3: Simplify the fraction

By determining the numerator and denominator's greatest common factor (GCF) and dividing them both by the GCF, the fraction 25/100 can be made simpler. Since the GCF in this situation is 25, we can divide both the numerator and the denominator by 25:

$$25/100 = (25 \div 25)/(100 \div 25) = 1/4$$

Step 4: Change the fraction to a mixed number

We can divide the numerator (1) by the denominator if we want to write the fraction 1/4 as a mixed

number (4). The quotient is 0, while the remainder is 1. The remainder (1/4), which represents the fractional portion, is the quotient (0), which is the mixed number's whole number.

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