

Check Out How To Convert 0.95 As A Fraction & More

Converting decimals to fractions is an important mathematical skill that is often used in various fields, including science, engineering, and finance. When we convert a decimal to a fraction, we express the value of the decimal as a ratio of two integers, where the numerator is the decimal value without the decimal point, and the denominator is a power of 10 that corresponds to the number of decimal places. In this article, we will focus on the conversion of **0.95 as a fraction** and more.

What is a fraction?

In mathematics, a fraction is a symbol for a portion of a whole. One can employ it to denote a comparison between two amounts, where the numerator indicates the specific portion of the entire quantity under examination, and the denominator indicates the overall number of equivalent segments that form the entirety.

Fractions are used in many kinds of real-world situations, such as measuring ingredients in cooking, determining the time a task will take to complete, and calculating distances or amounts of materials needed in construction projects.

What is a decimal ?

A decimal is a numeric representation of a fraction, where the denominator is a power of 10. Decimals are used in place of fractions in many real-world applications and are a convenient way of representing quantities that are not whole numbers.

In decimal notation, the fraction is written as a decimal point followed by one or more digits. The digits after the decimal point represent a fraction of a whole number, with the place value of each digit indicating the power of 10 that it represents. Decimals can be used to represent both positive and negative values, and they can also be used to represent very large or very small numbers, such as in scientific notation. Read below to check out the differences between fraction decimal and the **0.95 as a fraction** conversion method.

Difference between fraction and decimal

Fractions and decimals represent numbers in different ways. Fractions express a portion of a whole using a ratio of two integers, where the numerator represents the part being considered and the denominator represents the total number of equal parts.

Meanwhile, decimals use a base-10 numbering system to represent a fraction of a whole, with digits to the right of the decimal point indicating the fraction's value. While fractions can represent any rational number, decimals can only represent rational numbers with denominators that are powers of 10. Both fractions and decimals can be manipulated using arithmetic operations, although specific rules apply to each.

How to convert 0.95 as a fraction?

To convert **0.95 as a fraction**, we can follow a few simple steps. First, we write the decimal as a fraction with a denominator of 1 by placing the decimal value over 1. That is:

$$0.95 = 0.95/1$$

Next, we need to remove the decimal point by multiplying both the numerator and denominator by a power of 10 that is equal to the number of decimal places. In this case, there are two decimal places, so we multiply both the numerator and denominator by 100:

$$0.95/1 = (0.95 \times 100)/(1 \times 100) = 95/100$$

Finally, we simplify the fraction by dividing both the numerator and denominator by their greatest common factor. Since 95 and 100 have 5 as their largest common factor in this instance, we can divide both of them to simplify the fraction:

$$95/100 = (95/5) / (100/5) = 19/20$$

Therefore, 0.95 as a fraction is 19/20.