

CONVERT FRACTION TO DECIMAL

How to convert any fraction to a decimal.

There may be fractions that you will be able to instantly recognize the decimal for. However, there will be some you will need to convert yourself. This is where these steps come in.

Step 1: Understand the Fraction

A fraction consists of two parts: numerator (the top number) and the denominator (the number on the bottom). Identify which number is the numerator and which is the denominator. This step will be important for the next step.

Example: $\frac{3}{4}$, the number is 3 and the denominator is 4.

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Step 2: Divide the Numerator by the Denominator

To convert a fraction to a decimal you will divide the numerator by the denominator. If you don't know how to use division to solve, you can use a calculator, but If you know dividing with decimals do that.

$$\text{Example: } 3 / 4 = 0.75$$

Step 3: Simplify If Necessary

Sometimes the division might result In a repeating decimal, or a decimal that will never end. In these cases, If you see a lot of numbers after the decimal point, round to the thousandths place.

$$\text{Example: } 4/7 = 0.571428571428....$$

This decimal goes on and on so It will be rounded to 0.571