

# Download Repeating Decimal To Fraction Formula

Step 1: Let  $x$  equal the repeating decimal you are trying to convert to a fraction. Step 2: Examine the repeating decimal to find the repeating digit(s) Step 3: Place the repeating digit(s) to the left of the decimal point. Step 4: Place the repeating digit(s) to the right of the decimal point. You can tell if it is a simple repeating decimal number if the repeating part starts with the first number after the decimal point. Example 2: Convert  $4.372372372\dots$  to a fraction. Step 1: Let  $x = 4.372372$ . Convert a Repeating Decimal to a Fraction. Create an equation such that  $x$  equals the decimal number. Count the number of decimal places,  $y$ . Create a second equation multiplying both sides of the first equation by  $10^y$ . Subtract the second equation from the first equation. Solve for  $x$ . Reduce the fraction. You can convert all fractions to decimals. The decimal forms of rational numbers either end or repeat a pattern. To convert fractions to decimals you just divide the top by the bottom — divide the numerator by the denominator — and if the division doesn't come out evenly, you can stop after a certain number [...], Repeating Decimal To Fraction Formula.

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