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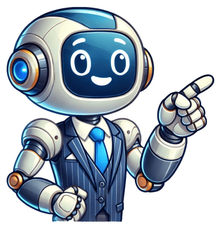

To use this calculator, input proper or improper fractions, select the math sign, and click Calculate. The calculator provides answers in lowest terms or mixed numbers in reduced form. It also shows steps for each calculation. If your fraction includes a whole number, it's considered a mixed number. Use the Mixed Numbers Calculator for these cases. When solving with "of" in the problem, multiply the fractions instead of adding or subtracting. Fractions can be thought of as parts of a whole, like using 5/12 eggs from a recipe. They're also used to represent quantities between two whole numbers. For example, a restaurant's distance might be 5.3 miles, where 0.3 extra is represented as a fraction. Adding, subtracting, multiplying, and dividing fractions - it's easier than you think! You don't always need to find the least common denominator (LCD) to perform these operations. Here are some shortcuts: **Subtracting Fractions** No LCD needed! Just follow this simple formula: Subtracting Fractions = (ad - bc) / bd Example: 2/6 - 1/4 = (2*4 - 6*1) / (6*4) = 2/24 = 1/12 **Multiplying Fractions** Multiply numerators together, denominators together, and reduce to lowest terms. Easy peasy! Example: 2/6 * 1/4 = (2*1) / (6*4) = 2/24 = 1/12 **Dividing Fractions** Flip the second fraction, then multiply. That's it! Example: 2/6 ÷ 1/4 = (2*4) / (6*1) = 8/6 = 4/3 = 1 1/3 **Adding and Subtracting Fractions with Cross Multiplication** This method involves cross-multiplying the fractions. It's like a secret shortcut to avoid finding the LCD. Example: Adding Fractions = (ad + bc) / bd, Subtracting Fractions = (ad - bc) / bd Try these formulas out and see how easy it is to add, subtract, multiply, and divide fractions! Simplifying the fraction 8/14 is as easy as a quick calculation. We've covered why finding the greatest common factor (GCF) is crucial for simplifying fractions. To reduce 8/14 to its simplest form, you need to understand how to find either the GCF or prime factors. Both methods help identify if 8/14 can be simplified further. In this case, the GCF of 8 and 14 is 2. By dividing both the numerator and denominator by this common factor, the fraction 8/14 becomes 4/7, its simplest form. Using factorization, we can rewrite 8/14 as (2 x 2 x 2)/(2 x 7), or simply 4/7. So, 8/14 simplified is indeed 4/7. For those interested in the GCF method, simplifying 8/14 involves finding the greatest common factor of its numerator and denominator, which is also 2. By dividing both terms by this GCF, we get 4/7. In conclusion, 8/14 can be simplified to 4/7. Notes: To simplify a fraction like 8/14, you need to check if the GCF of the numerator and denominator is greater than 1. If it is, then you can represent the fraction in its reduced form. Alternatively, you can use factorization to reduce the fraction by writing its numerator and denominator as prime factors and cancelling any common factors that appear.

8 divided by 14 5 as a fraction. 14 divided by 3 8 as a fraction. 5 14 divided by 7 8 as a fraction. 7 8 divided by 14 3 as a fraction. 5 14 divided by 7 8 as a fraction in simplest form. 14 27 divided by 8 9 as a fraction. 7 8 divided by 14 as a fraction. 8 14 divided by 3 5 as a fraction. 14 divided by 1 8 as a fraction. 7 8 divided by 14 15 as a fraction.