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7/8 - 1/8 is 3/4. Steps for subtracting fractions MathStep (Works offline) Download our mobile app and learn to work with fractions in your own time: Android and iPhone/ iPad Related: 14/8-1/8 7/8-1/16 21/8-1/8 7/8-1/16 21/8-1/8 7/8-1/16 21/8-1/8 7/8-1/16 21/8-1/8 7/8-1/16 21/8-1/8 7/8-1/16 21/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7/8-1/8 7
calculator Below are multiple fraction calculators capable of addition, subtraction, multiplication, division, simplification, and conversion between fractions and decimals. Fields above the solid black line represent the numerator, while fields below represent the denominator. Mixed Numbers Calculator Simplify Fractions Calculator Decimal to
Fraction Calculator Fraction to Decimal Calculator Use this calculator Use this calculator if the numerators or denominators are very big integers. In mathematics, a fraction is a number that represents a part of a whole. It consists of a numerator and a denominator. The numerator represents the number of equal parts of a whole, while
the denominator is the total number of parts that make up said whole. For example, in the fraction of 38, the numerator is 3, and the denominator is 8. A more illustrative example could involve a pie with 8 slices. 1 of those 8 slices would constitute the numerator of a fraction, while the total of 8 slices that comprises the whole pie would be the
denominator. If a person were to eat 3 slices, the remaining fraction of the pie would therefore be 58 as shown in the image to the right. Note that the denominator of a fraction cannot be 0, as it would make the fraction undefined. Fractions can undergo many different operations, some of which are mentioned below. Addition: Unlike adding and
subtracting integers such as 2 and 8, fractions require a common denominator to undergo these operations. One method for finding a common denominators of all of the fractions involved by the product of the denominators of each fraction. Multiplying all of the denominators ensures that the new
denominator is certain to be a multiple of each individual denominator. The numerators also need to be multiplied by the appropriate factors to preserve the value of the fraction as a whole. This is arguably the simplest way to ensure that the fraction have a common denominator. However, in most cases, the solutions to these equations will not
appear in simplified form (the provided calculator computes the simplification automatically). Below is an example using this method. ab + cd = 3 \times 64 \times 6 + 1 \times 46 \times 4 = 2224 = 1112 This process can be used for any number of fractions. Just multiply the numerators and denominators of each fraction in
the problem by the product of the denominators of all the other fractions (not including its own respective denominator) in the problem. EX: 14 + 16 + 12 = 1 \times 6 \times 24 \times 6 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 2 + 1 \times 
for the denominators, then add or subtract the numerators as one would an integer. Using the least common multiple can be more efficient and is more likely to result in a fraction in simplified form. In the example above, the denominators were 4, 6, and 2. The least common multiple is the first shared multiple of these three numbers. Multiples of 2:
2, 4, 6, 8 10, 12 Multiples of 4: 4, 8, 12 Multiples of 6: 6, 12 The first multiple they all share is 12, so this is the least common multiple. To complete an addition (or subtraction) problem, multiple they all share is 12, so this is the least common multiple. To complete an addition (or subtraction) problem, multiple they all share is 12, so this is the least common multiple.
12 = 1 \times 34 \times 3 + 1 \times 26 \times 2 + 1 \times 62 \times 6 = 312 + 212 + 612 = 1112 Fraction subtraction is essentially the same as fraction addition. A common denominator is required for the operation to occur. Refer to the addition section as well as the equations below for clarification. A common denominator is required for the operation to occur. Refer to the addition section as well as the equations below for clarification. A common denominator is required for the operation to occur. Refer to the addition section as well as the equations below for clarification.
= 712 Multiplying fractions is fairly straightforward. Unlike adding and subtracting, it is not necessary to compute a common denominator in order to multiplied, and the result forms a new numerator and denominator. If possible, the solution should be simplified. Refer
to the equations below for clarification. ab × cd = acbd EX: 34 × 16 = 324 = 18 The process for dividing fractions is similar to that for multiplying fractions is similar to that for multiplying fractions. In order to divide fraction in the numerator is multiplied by the reciprocal of the fraction in the denominator. The reciprocal of a number a is simply 1a. When a is a fraction, this
essentially involves exchanging the position of the numerator and the denominator. The reciprocal of the fraction 34 would therefore be 43. Refer to the equations below for clarification. ab / cd = ab × dc = adbc EX: 34 / 16 = 34 × 61 = 184 = 92 It is often easier to work with simplified fractions. As such, fraction solutions are commonly expressed in
their simplified forms. 220440 for example, is more cumbersome than 12. The calculator provided returns fraction inputs in both numerator and denominator by their greatest common factor. Converting between
fractions and decimals: Converting from decimals to fractions is straightforward. It does, however, require the understanding that each decimal place being 101, the second 102, the third 103, and so on. Simply determine what power of 10 the decimal extends to, use
that power of 10 as the denominator, enter each number 4 is in the fourth decimal point as the number 0.1234, the number 4 is in the fourth decimal place, which constitutes 104, or 10,000. This would make the fraction 123410000, which simplifies to 6175000, since the greatest common factor
between the numerator and denominator is 2. Similarly, fractions with denominators that are powers of 10 (or can be converted to powers of 10) can be translated to decimal form using the same principles. Take the fraction of 510. Knowing that the first decimal
place represents 10-1, 510 can be converted to 0.5. If the fraction were instead 5100, the decimal would then be 0.05, and so on. Beyond this, converting fractions Our online tools will provide quick answers to your calculation and conversion needs. On this page, you
can perform arithmetic operations on fractional numbers viz., addition, subtraction, multiplication, division, and comparison. This calculator is very helpful for folks who are into construction works, particularly, carpentry. © everydaycalculation.com Use this popular fractions calculator to add, subtract, multiply and divide fractions, including mixed
number fractions. The calculator gives explanation of the working steps involved and simplifies the result using the greatest common denominator. Check whether your denominators together.....And adjust both your nominators (top
numbers) proportionately. E.g. if you doubled the denominator, then double its numerator. Add together the nominator, with the nominator also reduced proportionately. Quick formula (\dfrac{a}{b} + \dfrac{c}{d} = \dfrac{ad + bc}{bd}
\)Example of how to add fractions\(\dfrac{2}{3} + \dfrac{1}{4} = \dfrac{1}{4} = \dfrac{1}{1}{12} \)Check whether your denominators (bottom numbers) match. They do? Great. Jump to step 5. They don't? OK. Multiply your differing denominators together......And adjust both your nominators (top numbers)
proportionately. E.g. if you doubled the denominator, with the nominator also reduced proportionately. Quick formula (\dfrac{a}{b} - \dfrac{c}{d} = \dfrac{ad - bc}{bd}
\)Example of how to subtract fractions\(\dfrac{2}{3} - \dfrac{1}{4} = \dfrac{(2\times4)} - (3\times4) = \dfrac{5}{12} \)You can learn about how to add, subtract, multiply and divide fractions. How to multiply fractions Multiply the numerators (top numbers) together to get your numerator
answer.Multiply the denominators (bottom numbers) together to get your denominator also reduced proportionately. Quick formula\(\dfrac{a}{b}\) times \dfrac{a}{b}\) times \dfrac{a}{b} \times \dfrac{2}{3}\) times \dfrac{1}{4} =
\dfrac{(2\times1)}{(3\times4)} = \dfrac{1}{6} \)Write out the whole sum, BUT replace the ÷ with an ×Flip the second fraction upside down, switching the first fraction with the reversed second fraction. Simplify the fraction to
the smallest possible denominator, with the nominator also reduced proportionately. Quick formula \(\dfrac{a}{b}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\div\dfrac{2}{3}\\dfrac{2}{3}\\div\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}{3}\\dfrac{2}
our decimal to fraction calculator a try. When it comes to performing a mathematical calculation, it is important to carry out the operations in the correct order. This is where the order of operations. Read our article about PEMDAS. Enter the
values and this calculator gives you fraction in easy steps. This Fraction calculator simplify fractions of addition, subtraction, multiplication, and division. Perform simplifying fractions of addition, subtraction calculator will reduce them to the most simplified
form within seconds. Formula Used By Fraction Calculator: The mixed number calculator displays a fraction, multiplication, and division. This utilizes the below formulas by taking the hassle out of fractions and gives you accurate results. How to Add Fractions? Identify the common denominators Find the least common multiple
(LCM) or least common denominator (LCD) If the denominator are not the same, multiply each fraction by a factor that makes its common denominator equal to the LCM Add the numerators and convert the given improper fractions: $\frac{d}{d} = \det(a + bc) 
to add fractions 4/3 & 2/3? Solution: 4/3 + 2/3 = (4+2)/3 (LCD is 3) = 6/3 = 2 How to Subtract Fractions? Identify the common denominators are not the same, multiply each fraction by a factor that makes its denominator equal to the LCM Subtract the numerators
and simplify fractions to the lowest terms Formula for Fractions? Multiply numerators of all fractions 2/7 \& 8/3? Solution: 2/7 - 8/3 = 2(3) - 7(8) / 21 (LCD is 21) = (6-56) / 21 = -50 / 21 How to Multiply Fractions? Multiply numerators of all fractions Likewise, go by multiplying
denominators as well Write the results as a single fraction Simplify to reduce the fraction to lowest terms Formula for Fractions Multiplication: 1/7 \& 8/9 = 1/8  (1*8)/(7*9) = 8/63 How to Divide Fractions? Find the reciprocal and rewrite
the Division as Multiplication Flip the second fractions by switching the top and bottom numbers Multiply Numerators and Denominators Simplify the results to the lowest form Formula for Fractions Division: \$ \dfrac{a}{b} \div \dfrac{c}{d} = \dfrac{a}{b} \div \dfrac{c}{d} = \dfrac{a}{b} \div \dfrac{c}{d} = \dfrac{a}{b} \div \dfrac{c}{d} = \dfrac{a}{b} \dfrac{c}{d} = \dfrac{a}{d} = \dfrac{a}{d} \dfrac{c}{d} = \dfrac{a}{d} = \
reciprocal of the divisor (7/2) is 2/7. So we have; 7/3 x 2/7 = (7*2)/(3*7) = 14/21 = 2/3 Common Fractions to the lowest form. It performs fraction operations, and expressions with integers, decimals, and mixed numbers. The following table is packed with fractions values
that you may encounter on a daily basis and may help you simplify fractions value in seconds: 64th 32nd 16th 8th 4th 2nd Decimal 1/64
                                                                                                                                                                                                                         0.015625 2/64 1/32
                                                                                                                                                                                                                                                           0.03125 3/64
                                                                                                                                                                                                                                                                                            0.109375 8/64 4/32 2/16 1/8 0.125 9/64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.140625 10/64 5/32
                                                                                                               0.359375 24/64 12/32 6/16 3/8
   0.15625 11/64
                                                                                                                                                                                        0.234375 16/64 8/32 4/16 2/8 1/4 0.25 17/64 0.265625 18/64 9/32 0.28125 19/64
                                                                                                                                                                                                                                                                                                                                                 0.546875 36/64 18/32 9/16 0.5625 37/64
    0.375 25/64
                                                                                                           0.484375 32/64 16/32 8/16 4/8 2/4 1/2 0.5 33/64
                                 0.390625 26/64 13/32
                                                                      0.40625 27/64
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                                                                                                                                                                                                                                                                                     0.921875 60/64 30/32 15/16 0.9375 61/64
 Fractions, Reciprocals and the "invisible denominator", Ratios, Decimal fractions and percentages, Historical notions, Arithmetic with fractions and the "invisible denominator", Ratios, Decimal fraction calculator. Fill in your two fractions
below (the numerator above the line and the denominator below the line) and submit if you want to add, subtract, multiply or divide your fractions and automatically reduces the result to the lowest terms. With the help of this calculator you can solve all your
fraction problems. Simple fraction calculator Mixed fraction calculator The fraction calculator has not yet performed a calculator below the lines) and choose your action (adding, subtracting, multiplying or dividing). Depending on whether you want to add, subtract
than or equal to the denominator (improper fraction), the fraction calculator will convert it to a mixed fraction. All steps of the calculation, including simplifying and converting to a mixed number (if necessary), are shown here. Examples, rules and steps for each type of calculation can be found here: Fraction Calculator performs the addition
subtraction, multiplication, and division of two given fractions. Fractions are numerical values that represent a part of a whole. A simple fraction Calculator? Fraction Calculator is an online tool that can be used to add, subtract, multiply and divide fractions with like or unlike
denominators. It provides a quick and easy way to solve complex problems as well as tally results within seconds. To use the fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values in the input boxes given below. Fraction Calculator, enter the values given below the input boxes given b
any two fractions using an online fraction calculator. Step 1: Go to Cuemath's online fraction calculator and choose the operation you want to perform. Step 3: Click on the "Calculate" button to add, subtract, multiply and divide two fractions. Step 4: Click on the "Reset" button to
clear the fields and enter new values. How Does a Fraction Calculator Work? The numerator of a whole while the denominator shows the complete part or the whole. A point to be non-zero. Addition: To add fractions, the first step
is to have the same denominators. To determine the common denominator with a number that gives the same denominators, add the numerators. Subtraction: Subtraction of two
fractions can be performed only if both have common denominators. Using the LCM method the fractions can be converted to have the same denominators and then the numerators are subtracted. Multiplication: The multiply the denominators.
After that, reduce the fraction to its lowest terms, to get the final answer. Division: The division of fractions is similar to multiplication. Here, we multiply the first fraction by the reciprocal (inverse) of the second and simplify it to its lowest form. Want to find complex math solutions within seconds? Use our free online calculator to solve challenging
 questions. With Cuemath, find solutions in simple and easy steps. Book a Free Trial Class Solved Examples on Fraction Calculator Example 1: Add (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5/6) = 6 (2/3) + (5
3/2 Example 2: Subtract (7/8) - (1/4) and verify it using the fraction calculator. Solution: (4/15) \times (9/16) = 36/240 On simplifying (4/15) \times (9/16) = 3/20 Example 4: Divide (2/3) \div (9/16) = 3/20 Example 3: Multiply (4/15) \times (9/16) 
(4/5) and verify it using the fraction calculator. Solution: The reciprocal of 4/5 is 5/4. (2/3) \div (8/4) = 10/12 = 5/6 Similarly, you can try the fraction calculator to perform addition, subtraction, multiplication, and division of two fractions for the following: (5/11) + (4/7) (11/14) - (2/3) (2/9) \times (3/8) \checkmark Related Articles: Fractions Mixed
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multiplication, division, simplification and comparison of fractions or decimals and vice versa. Examples \$3\ \frac{3}{5} - \frac{3}{5} - \frac{3}{5} - \frac{7}{6} = $$ Which is bigger: \$2\ \frac{5}{3} \text{ or } 3\frac{1}{5}$$ Convert fraction
$\dfrac{173}{14}$ to mixed number. Simplify mixed number $3\dfrac{175}{30}$. Find more worked-out examples in our database of solved problems. Search our database with more than 300 calculators TUTORIAL There are three basic operations for fractions and mixed numbers. 1. Fraction Simplification 2. Fraction Conversion 3. Fraction
Arithmetic This calculator can perform these operations and a lot more. Let's start with simplification. The easiest way to simplify a fraction is to divide both the numerator and denominator by the same number. In this example, we can divide both the numerator and denominator by the same number. In this example, we can divide both the numerator and denominator by the same number. In this example, we can divide 15 and 10 by 5. $$ \dfrac{15:5}{10:5} = \dfrac{33{2}} $$ You can also solve this problem
by using calculator. To convert a mixed number to an improper fraction, just multiply the denominators by the whole part and add the numerators, then multiply the numerators and denominators. $$ \dfrac{8}{15} \cdot \dfrac{10}
 \{3\} = \frac{16}{9} $ 452 861 664 solved problems home / math / fraction calculators capable of addition, subtraction, multiplication, division, simplification, and conversion between fractions and
decimals. Fields above the solid black line represent the numerator, while fields below represent the denominators are very big integers. In
mathematics, a fraction is a number that represents a part of a whole. It consists of a numerator and a denominator is the total number of parts that make up said whole. For example, in the fraction of 38, the numerator is 3, and the denominator is 8. A more
illustrative example could involve a pie with 8 slices. 1 of those 8 slices would constitute the numerator of a fraction, while the total of 8 slices, the remaining fraction of the pie would therefore be 58 as shown in the image to the right. Note that the denominator of
a fraction cannot be 0, as it would make the fraction undefined. Fractions can undergo many different operations, some of which are mentioned below. Addition: Unlike adding and subtracting integers such as 2 and 8, fractions require a common denominator to undergo these operations. One method for finding a common denominator involves
multiplying the numerators and denominators of all of the fractions involved by the product of the denominators of each fraction. Multiplying all of the denominators of each fraction involved by the appropriate factors to preserve the value of
the fraction as a whole. This is arguably the simplified form (the provided calculator computes the simplification automatically). Below is an example using this method. ab + cd = a \times db \times d + c \times bd \times b = ad
+ bcbd EX: 34 + 16 = 3 \times 64 \times 6 + 1 \times 46 \times 4 = 2224 = 1112 This process can be used for any number of fractions. Just multiply the numerators and denominators of all the other fractions (not including its own respective denominator) in the problem. EX: 14 + 16 + 12 = 1 \times 6 \times 24 \times 6 \times 2
+1\times4\times26\times4\times2+1\times4\times62\times4\times6=1248+848=4448=1112 An alternative method for finding a common multiple (LCM) for the denominators, then add or subtract the numerators as one would an integer. Using the least common multiple can be more efficient and is more likely to result in a
fraction in simplified form. In the example above, the denominators were 4, 6, and 2. The least common multiples of 4: 4, 8, 12 Multiples of 6: 6, 12 The first multiple they all share is 12, so this is the least common multiple. To complete an addition (or
subtraction) problem, multiply the numerators and denominators of each fraction in the problem by whatever value will make the denominators 12, then add the numerators. EX: 14 + 16 + 12 = 1 \times 34 \times 3 + 1 \times 26 \times 2 + 1 \times 62 \times 6 = 312 + 212 + 612 = 1112 Fraction subtraction is essentially the same as fraction addition. A common denominator is
required for the operation to occur. Refer to the addition section as well as the equations below for clarification. ab - cd = a \times db \times d - c \times bd \times d = a \times db \times d - a \times db \times d 
multiply fractions. Simply, the numerators and denominators of each fraction are multiplied, and the result forms a new numerator and denominator. If possible, the solution should be simplified. Refer to the equations below for clarification. ab \times cd = acbd EX: 34 \times 16 = 324 = 18 The process for dividing fractions is similar to that for multiplying
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the equations below for clarification. ab / cd = ab × dc = adbc EX: 34 / 16 = 34 × 61 = 184 = 92 It is often easier to work with simplified forms. 220440 for example, is more cumbersome than 12. The calculator provided returns fraction inputs in both improper fraction
form as well as mixed number form. In both cases, fractions are presented in their lowest forms by dividing both numerator and denominator by their greatest common factor. Converting between fractions are presented in their lowest forms by dividing both numerator and denominator by their greatest common factor. Converting between fractions are presented in their lowest forms by dividing both numerator and denominator by their greatest common factor.
the right of the decimal point represents a power of 10; the first decimal place being 101, the second 102, the third 103, and so on. Simply determine what power of 10 as the denominator, enter each number to the right of the decimal point as the numerator, and simplify. For example, looking at the
number 0.1234, the number 4 is in the fourth decimal place, which constitutes 104, or 10,000. This would make the fraction 123410000, which simplifies to 6175000, since the greatest common factor between the numerator and denominator is 2. Similarly, fractions with denominators that are powers of 10 (or can be converted to powers of 10) can
be translated to decimal form using the same principles. Take the fraction of 510. Knowing that the first decimal place represents 10-1, 510 can be converted to 0.5. If the fraction were instead 5100, the decimal would then be 0.05, and so on. Beyond this,
converting fractions into decimals requires the operation of long division, home / math / fraction calculators capable of addition, subtraction, and conversion between fractions and decimals. Fields above the solid black line represent the numerator, while fields below
represent the denominator. Mixed Numbers Calculator Simplify Fractions Calculator Decimal to Fraction to Decimal Calculator Big Number Fraction is a number that represents a part of a whole. It consists of a
numerator and a denominator. The numerator represents the number of equal parts of a whole, while the denominator is 3, and the denominator is 8. A more illustrative example could involve a pie with 8 slices. 1 of those 8 slices would constitute
the numerator of a fraction, while the total of 8 slices that comprises the whole pie would be the denominator. If a person were to eat 3 slices, the remaining fraction cannot be 0, as it would make the fraction undefined. Fractions can undergo
many different operations, some of which are mentioned below. Addition: Unlike adding and subtracting integers such as 2 and 8, fractions require a common denominator to undergo these operations. One method for finding a common denominator to undergo these operations involved by the product of the fractions involved by the fractions involved by the product of the fractions involved by the fractions involved by the fractions involved by the product of the fractions involved by the fraction by the fraction by the fraction by the fraction by the frac
the denominators of each fraction. Multiplying all of the denominators ensures that the new denominator is certain to be a multiple of each individual denominator. The numerators also need to be multiplied by the appropriate factors to preserve the value of the fraction as a whole. This is arguably the simplest way to ensure that the fractions have a
common denominator. However, in most cases, the solutions to these equations will not appear in simplified form (the provided calculator computes the simplification automatically). Below is an example using this method. ab + cd = a \times db \times d + c \times bd \times b = ad + bcbd EX: 34 + 16 = 3 \times 64 \times 6 + 1 \times 46 \times 4 = 2224 = 1112 This process can be used for any
number of fractions. Just multiply the numerators and denominators of each fraction in the problem by the product of the denominators of all the other fractions (not including its own respective denominators of all the other fractions (not including its own respective denominators) in the problem. EX: 14 + 16 + 12 = 1 \times 6 \times 24 \times 6 \times 2 + 1 \times 4 \times 62 \times 4 \times 6 = 1248 + 848 + 2448 = 1112 An alternative
method for finding a common denominator is to determine the least common multiple (LCM) for the denominators, then add or subtract the numerators as one would an integer. Using the least common multiple can be more efficient and is more likely to result in a fraction in simplified form. In the example above, the denominators were 4, 6, and 2
The least common multiple is the first shared multiple of 4: 4, 8, 12 Multiples of 6: 6, 12 The first multiple they all share is 12, so this is the least common multiple. To complete an addition (or subtraction) problem, multiply the numerators and denominators of each fraction in the
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often easier to work with simplified fractions. As such, fraction solutions are commonly expressed in their simplified forms. 220440 for example, is more cumbersome than 12. The calculator provided returns fraction inputs in both improper fraction form as well as mixed number form. In both cases, fractions are presented in their lowest forms by
dividing both numerator and denominator by their greatest common factor. Converting between fractions and decimals to fractions is straightforward. It does, however, require the understanding that each decimal place to the right of the decimal point represents a power of 10; the first decimal place being 101, the second
102, the third 103, and so on. Simply determine what power of 10 the decimal extends to, use that power of 10 as the denominator, enter each number 0.1234, the number 4 is in the fourth decimal place, which constitutes 104, or 10,000. This would
make the fraction 123410000, which simplifies to 6175000, since the greatest common factor between the numerator and denominator is 2. Similarly, fractions with denominator sthat are powers of 10 (or can be converted to powers of 10) can be translated to decimal form using the same principles. Take the fraction 12 for example. To convert this
fraction into a decimal, first convert it into the fraction of 510. Knowing that the first decimal would then be 0.05, and so on. Beyond this, converting fractions into decimals requires the operation of long division. home / math / fraction calculator Below
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the total number of parts that make up said whole. For example, in the fraction of 38, the numerator is 3, and the denominator is 8. A more illustrative example could involve a pie with 8 slices that comprises the whole pie would be the denominator. If a person
were to eat 3 slices, the remaining fraction of the pie would therefore be 58 as shown in the image to the right. Note that the denominator of a fraction cannot be 0, as it would make the fraction undergo many different operations, some of which are mentioned below. Addition: Unlike adding and subtracting integers such as 2
and 8, fractions require a common denominator to undergo these operations. One method for finding a common denominator involved by the product of the denominators of each fraction. Multiplying all of the denominators ensures that the new denominator is certain to be a
multiple of each individual denominator. The numerators also need to be multiplied by the appropriate factors to preserve the value of the fractions have a common denominator. However, in most cases, the solutions to these equations will not appear in simplified form (the
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the denominators of all the other fractions (not including its own respective denominator) in the problem. EX: 14 + 16 + 12 = 1 \times 6 \times 24 \times 6 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 4 \times 2 + 1 \times 4 \times 26 \times 2 + 1 \times 26 \times 2 +
or subtract the numerators as one would an integer. Using the least common multiple can be more efficient and is more likely to result in a fraction in simplified form. In the example above, the denominators were 4, 6, and 2. The least common multiple is the first shared multiple of these three numbers. Multiples of 2: 2, 4, 6, 8 10, 12 Multiples of 4:
4, 8, 12 Multiples of 6: 6, 12 The first multiple they all share is 12, so this is the least common multiple. To complete an addition (or subtraction) problem, multiply the numerators and denominators of each fraction in the problem by whatever value will make the denominators 12, then add the numerators. EX: 14 + 16 + 12 = 1 \times 34 \times 3 + 1 \times 26 \times 2 + 10 \times 10^{-2}
1 \times 62 \times 6 = 312 + 212 + 612 = 1112 Fraction subtraction is essentially the same as fraction addition. A common denominator is required for the operation to occur. Refer to the addition section as well as the equations below for clarification. A common denominator is required for the operation to occur. Refer to the addition section as well as the equations below for clarification.
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clarification. ab × cd = acbd EX: 34 × 16 = 324 = 18 The process for dividing fractions is similar to that for multiplying fractions. In order to divide fraction in the denominator. The reciprocal of a number a is simply 1a. When a is a fraction, this essentially involves
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denominator, enter each number to the right of the decimal point as the number 4 is in the fourth decimal place, which constitutes 104, or 10,000. This would make the fraction 123410000, which simplifies to 6175000, since the greatest common factor between the numerator
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510 can be converted to 0.5. If the fraction were instead 5100, the decimal would then be 0.05, and so on. Beyond this, converting fractions into decimals requires the operation of long division.
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