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## Simplifying Complex Fractions Kuta

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lr Zingnh ftQs 4 NroeQsXe krWv5e JdO.o  
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X2o.L Worksheet by Kuta Software LLC

Kuta Software - Infinite Algebra 2

Name\_\_\_\_\_ Complex Fractions Date\_\_\_\_\_

Period\_\_\_\_\_

## Complex Fractions Date Period - Kuta

Simplifying Complex Fractions. Simplify each complex fraction. 1)  $\frac{x^2 - 4}{x^2 + 4}$  2)  $\frac{4u^2}{4u^2 + 3y^2}$  3)  $\frac{4y}{y^2 + 4}$  4)  $\frac{n - 4}{m^2 - 4}$  5)  $\frac{x - 5}{2x - 5}$  6)  $\frac{x - 5}{2x - 5}$  7)  $\frac{x + 2}{x^2 + 3x + 2}$

## Simplifying Complex Fractions

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Simplifying Complex Fractions When a “normal” fraction contains fractions in either the numerator or denominator or both, then we consider it to be a complex fraction. This type of fraction is also known as a compound fraction. There are two methods used to simplify such kind of fraction.

## **Simplifying Complex Fractions - ChiliMath**

Rational Expressions - Complex Fractions Objective: Simplify complex fractions by multiplying each term by the least common denominator. Complex fractions have fractions in either the numerator, or denominator, or usually both. These fractions can be simplified in one of two ways. This will be illus-

## **Rational Expressions - Complex Fractions**

V s hMdaqd oeM DwUiht aht wIVnrf8ipn  
mint beg APIJg Uexb irSa G i1H.g  
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Software - Infinite Algebra 1 Name \_\_\_\_\_

Simplifying Rational Expressions \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_ Simplify each

expression. 1)  $-\frac{36x^3}{42x^2} - \frac{6x}{7}$  2)

$\frac{16r^2}{16r^3} \cdot \frac{1}{r}$  3)  $\frac{16p^2}{28p} \cdot \frac{7}{4}$  4)  $\frac{32}{n^2} \cdot \frac{24}{n} \cdot \frac{4n}{3}$  5)  $-\frac{70n^2}{28n} - \frac{5n}{2}$

## **Simplifying Rational Expressions - Kuta**

How to simplify complex fractions How to simplify complex fractions by LCD Multiplication. Convert mixed numbers to improper fractions. Reduce all fractions when possible. Find the least common denominator (LCD) of all fractions appearing within the complex fraction. Multiply both the numerator and the denominator of the complex fraction by the LCD.

## **Simplifying Complex Fractions Calculator**

Simplifying complex fractions is a process that can range from easy to difficult based on how many terms are present in the numerator and

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denominator, whether any of the terms are variables, and, if so, the complexity of the variable terms. See Step 1 below to get started! Method 1 Simplifying Complex Fractions with Inverse Multiplication

### **How to Simplify Complex Fractions: 9 Steps (with Pictures)**

Create here an unlimited supply of worksheets for simplifying complex fractions — fractions where the numerator, the denominator, or both are fractions/mixed numbers. The worksheets are meant for the study of rational numbers, typically in 7th or 8th grade math (pre-algebra and algebra 1).

### **Free worksheets for complex fractions**

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Simplify each. Leave your answer as an improper fraction. 31)  $\frac{40}{25}$  32)  $\frac{16}{10}$   
33)  $\frac{28}{8}$  34)  $\frac{15}{10}$  35)  $\frac{35}{15}$  36)  $\frac{8}{6}$  37)  
 $\frac{15}{12}$  38)  $\frac{35}{25}$  39)  $\frac{21}{6}$  40)  $\frac{35}{20}$  41)  
 $\frac{126}{54}$  42)  $\frac{36}{24}$  43)  $\frac{42}{12}$  44)  $\frac{24}{18}$   
45)  $\frac{16}{12}$  46)  $\frac{18}{12}$  47)  $\frac{54}{45}$  48)  $\frac{63}{27}$   
49)  $\frac{48}{42}$  50)  $\frac{42}{24}$  51)

### **Simplifying Fractions - Northern Highlands Regional High ...**

Step 1: Simplify the rational expression in the numerator of the original problem by adding the fractions. The LCD in the numerator is  $(x + 1)(x - 1)$ . Step 2: Simplify the rational expression in the denominator of the original problem by subtracting the fractions. The LCD in the numerator is  $(x - 1)(x + 1)$ .

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## **Simplifying Complex Fractions - Mesa Community College**

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## **Complex Fractions Worksheet Kuta | Printable Worksheets ...**

Simplifying Complex Fractions 1 Find the LCD of all the fractions in the expression 2 Multiply numerator and denominator by the LCD 3 Reduce to lowest terms The trickiest part, and most critical part, of this process is the step where we multiply numerator and denominator by the LCD (step 2)

## **[Book] Simplifying Complex Fractions Kuta**

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There are two methods for simplifying complex fractions. The first method is fairly obvious: find common denominators for the complex numerator and complex denominator, convert the complex numerator and complex denominator to their respective common denominators, combine everything in the complex numerator and in the complex denominator into single fractions, and then, once you've got one fraction (in the complex numerator) divided by another fraction (in the complex denominator), you ...

### **Complex Fractions - Purplemath**

Practice: Simplify complex fractions. This is the currently selected item.

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Dividing negative numbers review.

Simplifying complex fractions.

Multiplying negative numbers review. Up

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## **Simplify complex fractions (practice) | Khan Academy**

Answers to Simplifying Complex  
Fractions 1)  $\frac{1}{xy}$  2)  $\frac{b}{2ac}$  3)  $\frac{xy}{y-x}$  4)  
 $\frac{ab}{4(b+a)}$

## **Simplifying Complex Fractions**

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