Solving Multi-Step Equations

Unit 1 - Lesson 3

Date:

**Let’s start with some Simple Fractional Equations**

Examples: Solve each equation.

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**Fractional Equations with variables on both sides**

TO SOLVE AN EQUATION WITH fractions, we transform it into an equation without fractions -- which we [know](http://www.themathpage.com/alg/equations.htm) how to solve.  The technique is called clearing of fractions.

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Check using proper form

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**Key Idea:**

When an equation is in the form of , then can be used to .

If

Then

In this case there is a sum of fractions, so each term must be multiplied by the LCD to clear the fractions

**What if fractions are separated by addition or subtraction signs?**

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**Solving Fractional Equations:**

1. 
2. 
3. 
4. 