

## **Rational Expressions Applications Word Problems Answers**

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### **Rational Expressions Applications Word Problems**

Rational Equations: Applications - Work Word Problems Here are a few examples of work problems that are solved with rational equations. 1. Sam can paint a house in 5 hours. Gary can do it in 4 hours. How long will it take the two working together? 2. Joy can file 100 claims in 5 hours. Stephen can file 100 claims in 8 hours.

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## **Applications of Rational Expressions (examples, solutions**

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Application Problems with Rational Expressions. The applications will involve situations with work rate, variations, water current and speed of wind. Work rate. Work rate problems usually involve two people that are trying to help each other finish a single job.

## **Rational Expression Word Problems Worksheets - Lesson**

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Application Problems with Rational Expressions The applications will involve situations with work rate, variations, water current and speed of wind. Work rate Work rate problems usually involve two people that are trying to help each other finish a single job. Fran can clean the garage in 3 hours, but it takes Angie 4 hours to do the same job.

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## **10 Math 51 Application problems with rational expressions**

SIMPLIFYING RATIONAL EXPRESSIONS WORD PROBLEMS.

Problem 1 : Pari needs 4 hours to complete a work. His friend Yuvan needs 6 hours to complete the same work. ... Translating the word problems in to algebraic expressions. Remainder when  $2^{256}$  is divided by 17. Remainder when  $17^{23}$  is divided by 16. Sum of all three digit numbers ...

## **Simplifying Rational Expressions Word Problems**

Sal solves a word problem about the combined leaf-bagging rates of Ian and Kyandre, by creating a rational equation that models the situation. ... Multiplying and dividing rational expressions. Video transcript. Ian can rake a lawn and bag the leaves in 5 hours. Kyandre can rake the same lawn and bag the leaves in 3 hours.

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## **Rational equations word problem: combined rates (video**

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The last thing we want to do with Rational Expressions is the last thing we always want to do when we learn a new topic. That is, we want to talk about applications to the real world. In this case, we will only deal with two different types of word problems. They are problems that involve a moving object, and problems that involve work.

## **5.8 Applications of Rational Expressions**

Rational equations can be used to solve a variety of problems that involve rates, times and work. Using rational expressions and equations can help you answer questions about how to combine workers or machines to complete a job on schedule.

**Read: Applications with Rational Equations | Intermediate**

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Rational Functions Word Problems - Work, Tank and Pipe Here are a few examples of work problems that are solved with rational equations. Examples: 1. Sam can paint a house in 5 hours. Gary can do it in 4 hours. How long will it take the two working together? 2. Joy can file 100 claims in 5 hours. Stephen can file 100 claims in 8 hours.

## **Rational Function Problems (solutions, examples, videos**

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Yup, we did it right. Be careful: When solving word problems involving polynomials or rational expressions, make sure that you only keep those solutions that make sense in the context of the word problem. This often means throwing out one or more negative solutions. They're only bringing everybody down anyway.

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## **Polynomial Division and Rational Expressions Word Problems**

Section 7.8 Applications of Rational Functions 737 Version:  
Fall2007  $d(\text{mi})$   $v(\text{mi/h})$   $t(\text{h})$  Upstream  $150$   $32 - c$ ? Downstream  
 $150$   $32 + c$ ? Table 3. Entering the given data in a distance, speed, and time table. Solving  $d = vt$  for the time  $t$ ,  $t = d/v$ . In the first row of Table 3, we have  $d = 150$  miles and  $v = 32 - c$  miles per hour. Hence ...

## **7.8 Applications of Rational Functions**

Worksheet given in this section will be much useful for the students who would like to practice problems writing algebraic expressions from word problems. The following table will help us to learn some of the words (phrases) that can be used to indicate mathematical operations :

## **Writing Algebraic Expressions from Word Problems**

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## **Worksheet**

Equations that contain rational expressions are called rational equations. For example, is a rational equation. You can solve these equations using the techniques for performing operations with rational expressions and the procedures for solving algebraic equations.

## **Solving Rational Equations and Applications**

Sal solves a word problem about the combined deck-staining rates of Anya and Bill, by creating a rational equation that models the situation. ... Multiplying and dividing rational expressions. Video transcript. Working together Anya and Bill stained a large porch deck in 8 hours. Last year Anya stained the deck by herself.

## **Rational equations word problem: combined rates (example 2 ...**



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Rational Word Problems- Displaying top 8 worksheets found for this concept. Some of the worksheets for this concept are 10 math 51 application problems with rational expressions, Math 101 review on rational equations word problems, Solving rational equations, Fractions rational numbers, Add subtract multiply divide rational numbers date period, Rational expressions expressions and operations aii, Word problem practice workbook, Distance rate time word problems.

## **Rational Word Problems Worksheets - Kiddy Math**

Here are a few examples of work problems that are solved with rational equations. Grab a pen and paper and work along with the video. ... Algebra 1: Applications of Rational Expressions: The ...

## **Rational Equations: Applications -- Work**

Application Problems with Rational Expressions. The applications

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will involve situations with work rate, variations, water current and speed of. wind. Work rate. Work rate problems usually involve two people that are trying to help each other finish a single. job.

### **Rational Work Problems Worksheets - Lesson Worksheets**

Rational Number Word Problems. Rational Number Word Problems - Displaying top 8 worksheets found for this concept. Some of the worksheets for this concept are 10 math 51 application problems with rational expressions, Fractions rational numbers, Add subtract multiply divide rational numbers date period, Solving rational equations, Concept 13 rational irrational numbers, Math 101 review on rational equations word problems, Word problem practice workbook.

### **Rational Number Word Problems Worksheets - Kiddy Math**

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Here is a set of practice problems to accompany the Rational Expressions section of the Preliminaries chapter of the notes for Paul Dawkins Algebra course at Lamar University. ... Applications of Quadratic Equations; Equations Reducible to Quadratic in Form ... Rational Expressions. For problems 1 - 3 reduce each of the following to lowest ...

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