

Application Of Algebraic Expression

WORKSHEET

Applications on Rational Algebraic Expressions

Name: _____

SCORE: _____

DATE: _____

1. Read and analyze each question. Write your complete solution and highlight your final answer.

1. What is the length of a rectangular garden if its area measures $(x^2 + 8)$ square meters with a width of $(x + 2)$ meters?

2. What are the dimensions of a rectangle whose area measures $x^2 + 7x + 12$?

3. Jays and Ira can together paint a house in 4 hours. It takes Jays 8 hours to do the job alone. How long will it take Ira to do the job alone?

Representation:

	<i>Rate (individual)</i>	<i>Time (together)</i>	<i>Work (rate x time)</i>
Jays			
Ira			

Working Equation:

4. An express train travels 100 km in the same time that a freight train travels 50 km. If the express train goes 20 km per hour faster than the freight train, find the rate of each train.

Representation:

	<i>Distance</i>	<i>Rate or Speed</i>	<i>Time</i>
Express Train			
Freight Train			

Working Equation:

[DOWNLOAD] Application Of Algebraic Expression. Factorising an expression is to write it as a product of its factors. There are 4 methods: common factor, difference of two squares, trinomial/quadratic expression and completing the square. Factorising An Algebraic Expression Test National 5

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Combining Like Terms Calculator Algebrator

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Algebraic Manipulation Identities Brilliant Math

An identity is an equality that holds true regardless of the values chosen for its variables. They are used in simplifying or rearranging algebra expressions. By definition, the two sides of an identity are interchangeable, so we can replace one with the other at any time. For example, the identity ...

HP27S Hpmuseumorg

HP-27S The HP-27S was another do-everything calculator. While it was called a Scientific Calculator it also had statistics, Time Value of Money with loans, savings and amortization schedules, plus date arithmetic, time and appointments.

Simplifying Algebraic Expressions Task Card Activity

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Expressing Relationships As Algebraic Expressions Video

What do you do when you don't know what a number is but you do know how it relates to something else? You use an algebraic expression. In this lesson, we'll learn how to express relationships as ...

Algebraic Ktheory Wikipedia

Algebraic K-theory is a subject area in mathematics with connections to geometry, topology, ring theory, and number theory. Geometric, algebraic,

and arithmetic objects are assigned objects called K-groups. These are groups in the sense of abstract algebra. They contain detailed information about the original object but are notoriously difficult to compute; for example, an important outstanding ...

NPTEL Computer Science And Engineering Theory Of

Theory of Computation. Lecture-01 What is theory of computation? Set membership problem, basic notions like alphabet, strings, formal languages.

Chapter 3 Defining Types, Streamlining Functions

The familiar Bool is the simplest common example of a category of type called an algebraic data type. An algebraic data type can have more than one value constructor. -- file: ch03/Bool.hs data Bool = False | True. The Bool type has two value constructors, True and False. Each value constructor is separated in the definition by a | character, which we can read as "or": we can construct a ...

Algebra Mathematics Britannicacom

Emergence of formal equations. Perhaps the most basic notion in mathematics is the equation, a formal statement that two sides of a mathematical expression are equal "as in the simple equation $x + 3 = 5$ " and that both sides of the equation can be simultaneously manipulated (by adding, dividing, taking roots, and so on to both sides) in order to "solve" the equation.