Quadratic Equations

Class date
Nov 11, 2015

General

Teacher
Pierre Botha

Grade Level
9th Grade

Classroom

Concept
Word Problems involving quadratic equations

Goals
Students be able to convert word problems to mathematical equations
Critically interpret information
Correctly find a solution

Lesson Plan

Introduction (0 - 10 min)
Oral representation of word problems
Method - Q and A
Show and Tell (10 min - 25 min)
Teacher demonstrates a sample problem
Method - Talk and Chalk
Learners see learners do (25 - 35 min)
Learners complete at least three word problems interactively on the whiteboard
Method - Interactive with students working on whiteboard
Reflection (35-40 min)
Teacher reflects on the main procedures.

Materials

Materials

Worksheets

Readings

MathCentre
Vodacom E school

Evaluation

Evaluation

Oral in the introductory phase
Written in the reflection phase

Teacher Reflection

At the end of the lesson student would be able to
1. Interpret and rewrite word problems given in English and Russian accurately

2. Solve said problems with accuracy

Media (URLs)

URL Links

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Word Problems Involving Quadratics

These word problems involve situations I've discussed in other word problems: The area of a rectangle, motion

(time, speed, and distance), and work. However, these problems lead to quadratic equations. You can solve them by factoring or by using the Quadratic Formula. Example. One number is the square of another.

http://www.millersville.edu/~bikenaga/basic-algebra/quadra...

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