

What is Problem-Solving?

PROBLEM SOLVING

Understand

Read
and
Think



Plan



Choose a
Strategy

Problem	Solution



Do

Solve the Problem

$$3 + 3 + 3 = 9$$

Check

Does it make sense?

My solution makes sense
because...

PROBLEM SOLVING

Understand

- Read, visualize, and think
- Identify the meaning of the numbers
- Restate the problem

Plan

Choose a Strategy

- Work backwards
- Look for a pattern
- Create a table or organized list
- Draw and Check
- Make a Simple Problem



Do

Solve the Problem

$$385 - 137 = p$$

Check

- Does my solution make sense?
- Is my solution reasonable?
- Can I solve it another way?

Strategies For Math Problem Solving

Triumph Learning LLC



Strategies For Math Problem Solving:

Strategies for Success Triumph Learning, LLC.,OPTIONS for Population Policy (Project),2011-01-12 Got a word problem Strategize it The No 1 issue math students struggle with is solving word problems Math Problem Solving provides a solution Each lesson teaches a key problem solving strategy by breaking it down into manageable steps and then providing guided and independent practice to reinforce the learning Plus it aligns with your core math program and meets the problem solving requirements of the Common Core State Standards

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Teaching Mathematics to Middle School Students with Learning Difficulties Marjorie Montague,Asha K. Jitendra,2006-06-24 A highly practical resource for special educators and classroom teachers this book provides specific instructional guidance illustrated with vignettes examples and sample lesson plans Every chapter is grounded in research and addresses the nuts and bolts of teaching math to students who are not adequately prepared for the challenging middle school curriculum Presented are a range of methods for helping struggling learners build their understanding of foundational concepts master basic skills and develop self directed problem solving strategies While focusing on classroom instruction the book also includes guidelines for developing high quality middle school mathematics programs and evaluating their effectiveness

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Solving Math Problems Kids Care about Randall J. Souviney,2006 Educational resource for teachers parents and kids

Problem Solving Strategies for Elementary-School Math Kiana Avestimehr,Salman Avestimehr,2020-06-24 This book teaches 7 basic problem solving strategies that can be used by elementary students to overcome the challenge of how to start thinking about a math problem It contains more than 100 challenging problems that are suitable for elementary school students along with their step by step solution to help the reader master these strategies

Unveiling the Magic of Words: A Report on "**Strategies For Math Problem Solving**"

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