California Standard Addressed

Math Reasoning Third Grade

1.1 Analyze problems by identifying relationships...prioritizing information, and observing patterns.

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2.2 Apply strategies & results from simpler problems to more complex problems.
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Math Reasoning

Third Grade

2.3 Use a variety of methods such as...symbols, diagrams & models to explain mathematical reasoning.
Objective

• To be able to solve problems using the “find a pattern” strategy.
Problem Solving is easy if you follow these steps

Understand the problem
Step 1 – Understand the problem

- Read the problem carefully.
- Find the important information.
- Look for patterns.
- Identify what the problem wants you to solve.
Step 1 - Understand the Problem
Read the problem carefully.

• Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.
Step 1 - Understand the Problem

Find the important information.

• Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.
Step 1 - Understand the Problem

Write down the key information.

- Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.
Step 1 - Understand the Problem
Write down the key information.

17A Roeding Ave

Roeding Ave.
Step 1 - Understand the Problem
Identify what the problem wants you to solve.

• Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.
Problem Solving is easy if you follow these steps

Decide how you’re going to solve the problem
Step 2 - Decide how you’re going to solve the problem

Choose a method

Use a graph
Write an equation
Find a pattern
Use reasoning
Make a table
Use formulas
Make a list
Work backwards
Draw a picture
Act it out
Step 2 - Decide how you’re going to solve the problem

Look for the pattern

17A Roeding Ave

By twos even numbers

By twos odd numbers

A B

A B

A B

A B

A B

A B

A B

A B

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Problem Solving is easy if you follow these steps

Solve The Problem
Step 3 - Solve the problem

Find Juan’s house.

17A Roeding Ave.

You know 17 is odd.

You know he lives in A.
Problem Solving is easy if you follow these steps

Look
Back &
Check
Step 4 - Look Back & Check
Reread the problem

• Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.

Roeding Ave.

10
A B
12
A B
14
A B
16
A B
11
A B
13
A B
15
A B
17
A B
Step 4 - Look Back & Check

Compare your answer to the problem

- Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.
Step 4 - Look Back & Check
Did you solve what the problem asked?

• Jose’s friend Juan lives in a duplex at 17A Roeding Ave. Jose is going to visit Juan. Here is a map of Juan’s block. Find where Juan lives.

Yes!
Solve this problem

• What shape continues the pattern?
Solve this problem

• What are the next 2 numbers?

$4.25, $4.50, $4.75, $5.00

$5.25, $5.50
Solve this problem
• What will the next set of blocks look like?
Solve this problem
• Answer
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