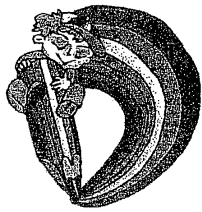
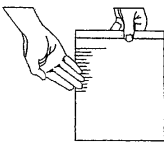

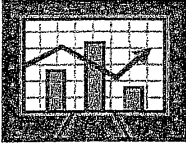





PROBLEM SOLVING STRATEGIES

1-3

<p>Draw a picture</p> 	<p>Make a table or list</p> 
<p>Guess and Test</p> 	<p>Use a Graph</p> 
<p>Two Step Problem</p> 	<p>Write a Number Sentence</p> 
<p>Find A Pattern</p> <p>2,4,6,8</p>	<p>Cross Out Extra Information</p> 

First Grade Math Problem Solving Rubric

Students must meet all three criteria in each category

Expert

- ◆ Correct solution and label
- ◆ Correct math sketch and number sentence showing the operation
- ◆ Can explain (orally or written) all the steps of the process

Apprentice

- ◆ Solution is incorrect or not complete
- ◆ Math sketch or number sentence is inaccurate
- ◆ Explanation is not complete or inaccurate

Novice

- ◆ No solution
- ◆ No math sketch or number sentence **or** math sketch and number sentence do not match the problem
- ◆ No explanation

Second and Third Grade Math Problem Solving Rubric

Expert

- ◆ Correct solution that includes accurate math sketch and math equation with correct labels
- ◆ Chooses and uses a correct strategy
- ◆ Clearly explains all steps of the process using correct math language

Practitioner

- ◆ Mostly correct solution that includes a math sketch and math equation with correct labels
- ◆ Uses a strategy that works
- ◆ Clearly explains most steps using correct math language

Apprentice

- ◆ Solution is incorrect or not complete, **or** solution has inaccurate or missing math sketch or number equation
- ◆ Attempted a strategy
- ◆ Incomplete explanation using some math language

Novice

- ◆ No solution, math sketch, or number equation **or** math sketch and number equation do not match the problem
- ◆ No strategy
- ◆ No explanation