

# Problem Solving Checklist

Name \_\_\_\_\_

Problem \_\_\_\_\_

1. Underline the facts in the problem.

2. Write and finish the sentence: I need to. . .

3. I will. . .

- Make a diagram and key
- Make a table
- Make a chart
- Make an organized list
- Make a graph
- Look for a pattern
- Use logical thinking
- Work backwards
- Use another plan

4. Show all my work and thinking.

- Use mathematical language
- Use correct mathematical representation—remember your labels

5. Label my answer and highlight it.

6. Make a mathematical connection.

- I noticed something mathematical about my solution.
- I identified a pattern.
- I did the same problem again using a different mathematical process to show how my solution is correct.
- I did the problem again using different numbers.
- I found a rule that would work for this problem and used it more than one time.
- I compared this problem to another one and told how the mathematics was the same.