

The teacher will need to see all of your work. Mark (x) off each one as you use it. Be sure to include the following:

- Pictures, charts, graphs, or t-tables that support your explanation
- A written explanation with detailed sentences
- The equation or number sentence
- The answer (Ask yourself: Is my answer reasonable? Why or why not?)
- The solution in more than one way or related to other situations

Teacher Use Only

Analytical Score:

Understanding **N A P E**

Strategy/Reasoning **N A P E**

Communication **N A P E**

Holistic Score **N A P E**

Name: _____ Grade: _____ Date: _____

Teacher: _____ School: _____

Molly Mathematician's Locker Combination Predicament

Molly Mathematician can't remember her gym locker combination. The Physical Education teacher won't provide her with the combination, but did give her the following clues about the combination:

1. The 3 numbers in the combination are between the numbers 15 and 30.
2. The sum of the numbers is 70.
3. When you square each number in her locker combination the digits 1 – 9 will appear only once in the digits of the 3 square numbers.

What is the combination to Molly's locker?

Show all of your work and tell how you achieved a solution by labeling all that you do.

