**Organized List: Problem 1**

List all of the three-digit numerals that can be made by using the numerals 4, 6, and 8 once in each number. How many can be made?

How many four-digit numerals can be made by using the numerals 2, 4, 6 and 8 once in each number?

**Solve:**

4 6 8

**Answer (Complete Sentence):**
Katy Did has six pets of three different varieties—two dogs, two cats, and two lizards. Every time she goes out she takes three animals, one of each variety. She can take: Polly or Petula Poodle, Tom or Ali Cat, and Lizzie or Lily Lizard. How many combinations of animals are possible?

Solve:

Answer (Complete Sentence):
**Color Coded Problem Solving:** Highlight the essential question(s) in pink. Highlight the important data in yellow. Solve the problem, indicate the problem solving strategy and write the answer in a complete sentence, restating the question.

**Organized List: Problem 3**

Bob Bunglitt is practicing darts and decides to figure out how many different scores that are possible if he uses exactly four darts and if all the darts hit in a numbered area. How many different scores are possible? What are these scores?

Solve:

Answer (Complete Sentence):
Organized List: Problem 4

Iva Fortune had 95 cents. She spent 54 cents. She received 41 cents change. How many different combinations of quarters, dimes, nickels, and pennies could she have received as change? There are 31 possibilities. How many can you find?

Solve:
Color Coded Problem Solving: Highlight the essential question in pink. Highlight the important data in yellow. Solve the problem, indicate the problem solving strategy and write the answer in a complete sentence, restating the question.

Organized List: Problem 5

In the Chinese Checker tournament, Mark Able, Anita Break, Jack Jumper, Ping Pong, and Chubby Checker all still need to play each other before the champion is announced. If each player plays all other remaining contestants, how many matches will be played altogether?

Solve:

Answer (Complete Sentence):
Color Coded Problem Solving:  Highlight the essential question in pink.  Highlight the important data in yellow.  Solve the problem, indicate the problem solving strategy and write the answer in a complete sentence, restating the question.

**Organized List: Problem 6**

Mary Meant loves the number eight.  How many 8’s will she write altogether if she writes the numbers 1-100?

**Solve:**

**Answer (Complete Sentence):**