

# ANALYST DECEMBER CHALLENGE

This month's challenges are all Math Olympiad problems! Math Olympiad problems are designed to be challenging and make you think. You must use problem solving strategies to arrive at the answer. Sometimes more than one strategy might work, but some may be more efficient and flexible than others. Consider these problem solving strategies as you attack the problem:

- Draw a picture or diagram
- Make an organized list
- Make a table
- Solve a simpler, related problem first
- Find a pattern
- Experiment and be creative
- Work backwards

You must bring in the correct solution and identify which strategy (or strategies) you used to earn your blue Mastery Credit. Good luck!

I have a barn full of 18 animals. Some are chickens and some are cows. There are no other animals in the barn. I counted 50 animal legs inside the barn. How many of the animals are chickens and how many are cows?

Problem solving strategy: \_\_\_\_\_