Mathematics, Grade 5
Unit VIII: Lesson B4   Problem Solving: **Logic Puzzles**

Read and analyze the following problem.

> Andy, Brad, Carl, and Dave each went on four dates with four different girls; Kathy, Laura, Mary, and Nora. On the second date, Andy dated Laura and Dave dated Nora. On the third date, Carl went with Mary and Brad went with Laura. Mary went out with Andy and Kathy went out with Brad on the fourth date. What couples went together on the first date?

Experiment with different methods of solving the problem. Compare the various methods that can be used to solve the problem. Note the benefits and drawbacks of each.

When you have solved this problem, develop one of your own based upon similar principles. Demonstrate to your class the various methods that can be used to solve this type of logic problem. Then, see if they can solve the problem you developed.