Problem-Solving Strategy: 
Use Logical Reasoning

Ask Yourself

Understand
What facts do I know?

Plan
Will a table help me solve the problem?

Solve
What questions do I need to ask myself as I use the tables?
Does my table include enough information?

Look Back
Does the solution make sense?

Use logical reasoning to solve each problem.

1. Rico is a member of a soccer team, a chess club, a school band, and a drama club. Each group meets on a different weekday. Rico has no meetings on Friday. Drama meets the day before soccer. The band does not meet on Thursday. Chess does not meet on Tuesday or Wednesday. Soccer meets on Wednesday. What meeting does Rico have each weekday?

Explain your thinking.

2. Bessie, Liang, Maria, and Seth have one backpack each. Each backpack is a different color. Maria’s backpack is not black. Bessie’s backpack is not green or blue. Liang’s backpack is yellow. Seth’s backpack is not green. What color is each person’s backpack?

Explain your thinking.