**Problem-Solving Application:**
**Use Data to Make Predictions**

Use the questions to help you solve.

1. During the regular soccer season, Sally scored in 3 out of 9 games. What is the probability she will score in each of the 2 championship games?

   **UNDERSTAND**
   - What do you know about Sally’s past scoring?
     ________________________________
   - Will her performance in one game affect her scoring in the other?
     ________________________________

   **PLAN**
   - What is the probability she will score in the first championship game? How can you use that information to find the answer you need?
     ________________________________

   **SOLVE**
   - Were your calculations correct?
     ________________________________

   **LOOK BACK**
   - Does your answer seem reasonable?
     ________________________________

Solve.

2. What is the probability that Sally will score in only one of the games? None of the games?

   ________________________________

3. Sally’s teammate Sarah has scored in 5 out of the 9 season games. What are Sarah’s chances of scoring in each of the championship games?

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