

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?
