Problem-Solving Strategy: Make an Organized List

Problem  David has three trophies. One is for football, one is for baseball, and one is for quiz bowl. He wants to display the trophies on a shelf. How many different ways can the trophies be arranged on the shelf?

1. What do you know?

2. What names will you use in your organized list?

3. Make an organized list to show the different ways the trophies can be arranged. How many different ways can the trophies be arranged total?

4. What other strategy could you use to check your answer?

Possible answer: I could act it out and record all the different arrangements.