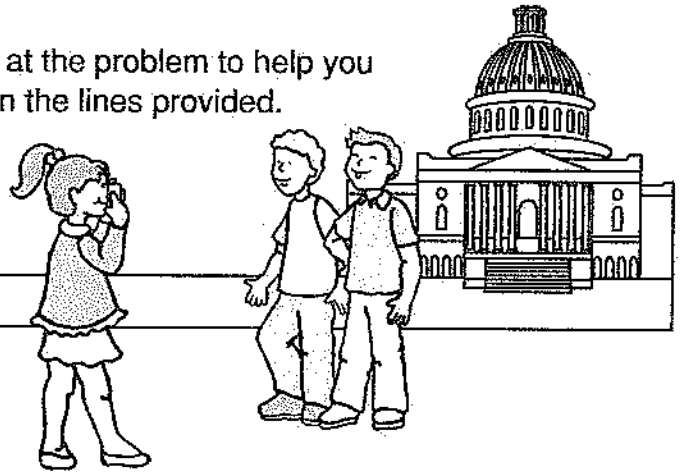


# Capital Capers

Drawing a picture or diagram is helpful in solving some types of math problems. Make and label drawings to help you solve each problem below.

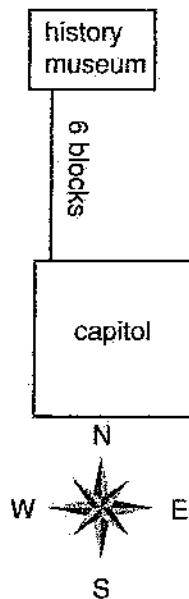
**Getting started:** Read problem 1. Then look back at the problem to help you answer the questions below. Write your answers on the lines provided.

**Problem 1:** Mr. Fischer's fourth graders went on a field trip to their state's capital. When they arrived, the bus parked in front of the capitol where the tour began. From there, the class walked 6 blocks north to the history museum, then 4 blocks west to the park. The group continued its tour by walking 14 blocks south, then 4 blocks east to the governor's home. In which direction and how far will the students walk to get back to their bus?



- What are you to find out? \_\_\_\_\_
- Where did the students begin their tour? \_\_\_\_\_
- First, in which direction and how far did they walk to reach the history museum? \_\_\_\_\_
- Next, in which direction and how far did the class walk from the museum to the park? \_\_\_\_\_
- Finally, in which directions and how far did the students walk to get to the governor's home? \_\_\_\_\_
- Would it help to have a map that shows this information? \_\_\_\_\_
- Which problem-solving strategy could you use? \_\_\_\_\_

**Solving problem 1:** Draw a map on another sheet of paper to help you solve the problem. The map has been started for you. It shows where the students began their tour (the capitol) and the next place they visited (the history museum). It also shows the distance between these two sites (six blocks). Continue the map until you show the last place visited: the governor's home. Look at your map to see in which direction the capitol is from the governor's home. Then figure out how many blocks the students will walk to return to the bus.



**Problem 2:** Twelve fourth graders visited the history museum's gift shop. Five of the students bought only postcards and 3 bought only posters. Some students bought both postcards and posters. Two students didn't buy anything. How many students bought both postcards and posters? Finish the Venn diagram below to help you answer the question.

