

## Day 2

### Activity 3: Favorite Sports

Give your child the "Weather Data" sheet and ask her to write the date in the first column and then record the temperature in the second column. She will then place a check mark below each word that describes the day's weather.

Next, show your child the "Favorite Sports" sheet and ask her to describe what she sees. She should note that the table has tally marks that show how many people like watching each of the sports listed. Remind her that a useful way to collect information is by asking people questions. This is called taking a **survey**. In this example, Susan asked people about which sports they like to watch. Ask, "What would be another good question for a survey?" Share ideas if your child gets stuck. Some examples are "What is your favorite ice cream flavor?", "What types of pets do you have?," and "What is your birthday month?"

Have your child practice taking a survey by asking herself about which sport she likes to watch and then asking you and one other person the same question. She can add tally marks to the "Favorite Sports" sheet.

Now, show your child the activity sheet with the blank pictograph at the top. She will create her pictograph by following these steps:

1. Choose a title to write above the graph. (such as "Favorite Sports to Watch")
2. List the sports from the survey sheet in the left column.
3. Count the tally marks for each sport and cut out the correct number of images to match.
4. Paste the images in the corresponding row to create the pictograph. Emphasize that only one image goes in each box so that your child learns that symbols on a pictograph are spaced evenly.
5. Optionally color the graph.

Once your child has completed her pictograph, pose the following questions (some answers will vary):

- What do you notice about the way the pictures are placed on the pictograph? (they are spaced evenly apart)
- Why do you think the pictures are placed evenly apart? (so that it's easier to count them and compare the numbers)
- Which sport do the greatest number of people like to watch?
- Which sport do the fewest number of people like to watch?
- How many people like to watch tennis and soccer the most?
- What's the difference between how many people like to watch swimming and how many like to watch soccer?
- Who might be able to use this data and how might they use it? (someone who works with TV channels and wants to know which sports to show)

