SCHOOL-to-HOME CONNECTIONS

Chapter 7

Graphs and Line Plots

Dear Family,

In this chapter, your child will interpret graphs and line plots. Skills your child will practice include:

- read, analyze, interpret and represent data presented in picture graphs
- read, analyze, interpret and represent data presented in bar graphs
- read, analyze, interpret and represent data presented in line plots

Math Practice

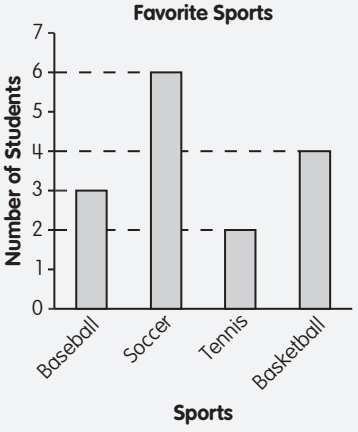
At the end of this chapter, you may want to carry out these activities with your child. These activities will help to strengthen your child's understanding of how to interpret and construct graphs.

Activity 1

- Ask your child to gather his favorite toys and classify them by type. For example, your child may collect stuffed animals, toy cars and trucks, balls, plastic blocks and bricks, and puzzles.
- Help your child make a bar graph to show the different kinds of toys and the number of toys in each category.

Math Talk

Explain to your child that the word **data** is another word for information, and we present information in different ways. For example, we use bars in **bar graphs**. We use pictures or symbols in **picture graphs**. Picture graphs have **keys** that explain the meaning of each picture or symbol. Discuss the features of the following graphs and the data they show.



Pets in Our Homes

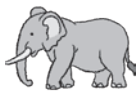
Cat	🐾 🐾 🐾
Dog	🐾 🐾 🐾 🐾 🐾
Hamster	🐾 🐾 🐾 🐾

Key: Each 🐾 stands for 2 pets.

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Activity 2

- Have your child list several of his or her favorite animals, such as elephants, zebras, and giraffes.
- Ask your child to conduct a survey with their family members to identify their favorite animals from the list.
- Ask your child to make a picture graph as shown to represent the data. Help your child decide what key and symbol will work best for the data he or she collects.

				
Key:				

Activity 3

- Visit a library and read books about data interpretation, such as *The Great Graph Contest* by Loreen Leedy; *Tiger Math: Learning to Graph from a Baby Tiger* by Ann Whitehead Nagda; and *Tally Cat Keep Track* by Trudy Harris.



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