

# Family Letter

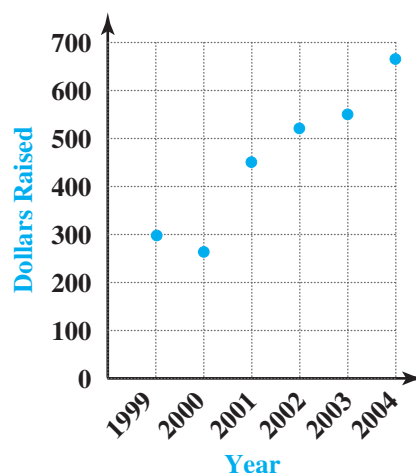
Dear Student and Family Members,

In our next chapter, we will be interpreting graphs and understanding the stories behind them. For example, the graph at the right shows the amount of money raised at car washes held by the student council.

Here are some ways we can interpret the graph to learn more of the story:

- About how much more money was raised in 2004 than in 2003?
- Between which two years was there a decrease in the number of dollars that were raised?

**Money Raised at Car Washes**



Many graphs represent mathematical relationships, which can also be represented by equations or formulas. We will learn about the shapes of graphs that represent repeating, linear, and quadratic relationships as well as exponential relationships, which show situations where a quantity is repeatedly multiplied by a number greater than 1.

**Vocabulary** Along the way, we'll learn about two new vocabulary terms:

**line graph**

**multiplicative inverse**

## What can you do at home?

You can help your student read the stories behind graphs by discussing graphs you find in magazines, newspapers, web sites, or advertisements. Try to find the story behind the graph by asking these questions:

- What is the graph about?
- What does each point represent?
- Is there a comparison between items in the graph?
- Can you use the graph to predict something that is not explicitly shown on the graph?

Finding the story behind the graph can be an enjoyable and imaginative experience that you can share with your student. Have fun!

