

# Family Letter

Dear Student and Family Members,

Throughout the past year, we have seen mathematics at work in several situations. In this chapter, we will look more closely at how to work with data, including data from many real-world contexts. We will use tables to organize data, look for trends, and draw conclusions. We will use visual displays, including a map describing a historic cholera outbreak in London. Using the map, we will gather evidence to determine the source of the epidemic.



In the second half of the chapter, we will use *mathematical models*. For example, we will use equations to model population growth and make predictions. We will also analyze a business using tables, and use a model population to explore how left-handedness might change from one generation to another.

## What can you do at home?

You might ask your student about the London cholera outbreak or the other situations he or she is learning to analyze. You might also explore information in the newspaper together and look for patterns: Are there patterns in the temperatures displayed on the weather map?