

2-4

Study Guide and Intervention

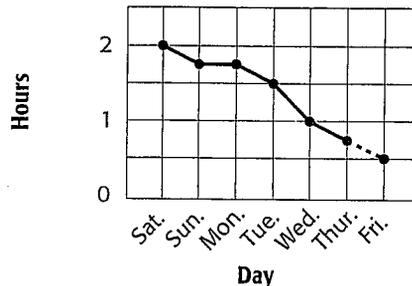
Making Predictions

Because they show trends over time, **line graphs** are often used to predict future events.

EXAMPLE 1

The graph shows the time Ruben spends each day practicing piano scales. Predict how much time he will spend practicing his scales on Friday.

Piano Scale Practice Times



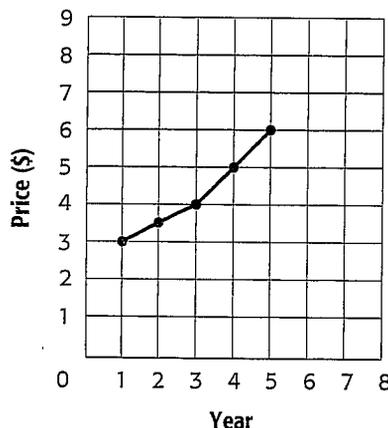
Continue the graph with a dotted line in the same direction until you reach a vertical position for Friday. By extending the graph, you see that Ruben will probably spend half an hour practicing piano scales on Friday.

EXERCISES

MONEY Use the graph that shows the price of a ticket to a local high school football game over the last few years.

- Has the price been increasing or decreasing? Explain.
- Predict the price of a ticket in year 6 if the trend continues.
- In what year do you think the price will reach \$9.00 if the trend continues?

Football Tickets



BANKS Use the graph that shows the interest rate for a savings account over the last few years.

- What does the graph tell you about interest rates?
- If the trend continues, when will the interest rate reach 1 percent?

Interest Rates

