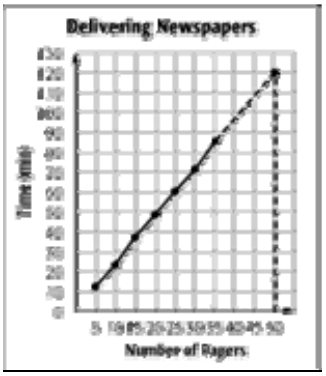
Lesson 8-6

Example 1 Use a Line Graph to Predict
NEWSPAPERS The table shows the time it takes Ed to deliver newspapers in the morning. Make a line graph and predict the total time it will take Ed to deliver 50 papers.

Number of Papers	5	10	15	20	25	30	35
Time (min)	12	23	37	48	60	71	85

The number of papers will go on the horizontal axis with a scale of 5 to 50 and an interval of 5. The time will go on the vertical axis with a scale of 10 to 130 and an interval of 10. Graph the data and connect the points. Continue the graph with a dotted line in the same direction until the horizontal position of 50 papers is reached.



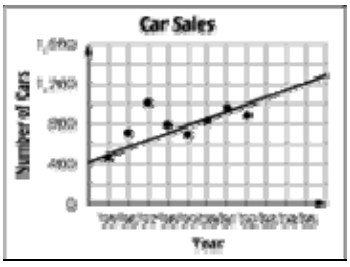
It will take Ed about 120 minutes, or 2 hours, to deliver 50 newspapers.

Example 2 Use a Line Graph to Predict
Use the graph in example 1 to predict how many papers Ed will be able to deliver in 110 minutes.

Looking at the continuation of the graph with the dotted line beyond the actual data, it appears that Ed will be able to deliver about 45 papers in 110 minutes.

Example 3 Use a Scatter Plot to Predict

CAR SALES The scatter plot shows the number of cars sold by a particular dealership from 1995 to 2002. Use it to predict the number of cars that will be sold in 2005.



By looking at the pattern in the graph, we can predict that the number of cars sold in 2005 will be about 1,200 cars.