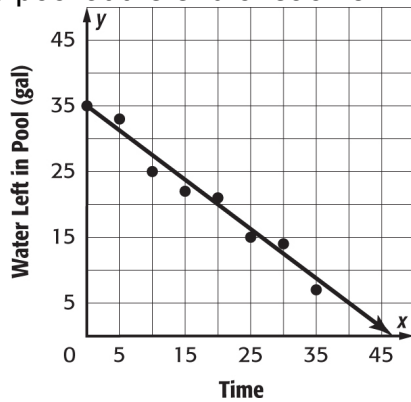


5-6 Line of Best Fit

Name _____

Per. ____

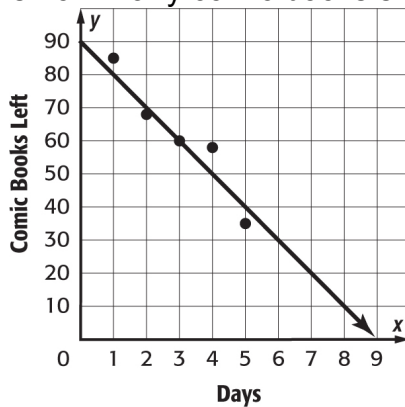
1. Cleo’s baby pool has a leak. The scatter plot shows the amount of water left in the pool at the end of each 5-minute segment.



a. Write an equation in slope-intercept form for the line that is drawn.

b. Use the equation to make a conjecture about the amount of water left in the pool after 40 minutes.

2. Sydney is selling her comic book collection on the Internet. The scatter plot shows how many comic books she has left at the end of each day.



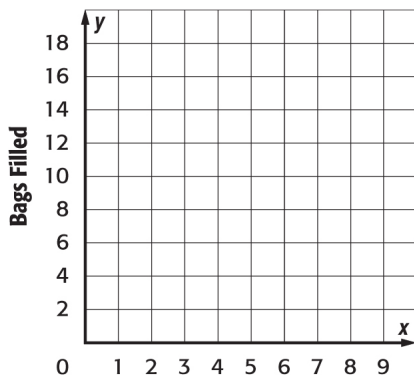
a. Write an equation in slope-intercept form for the line that is drawn.

b. Use the equation to make a conjecture about the number of comic books she will have at the end of the seventh day.

3. Haley has a leaf-raking company to help offset school costs. The table shows how many bags of leaves Haley was able to fill each hour.

Hour	1	2	3	4	5
Bags Filled	3	4	5	8	14

a. Construct a scatter plot of the data. Then draw and assess a line that represents the data.



b. Use the line of best fit to make a conjecture as to how many bags of leaves Haley will have filled at the end of 7 hours of raking.