

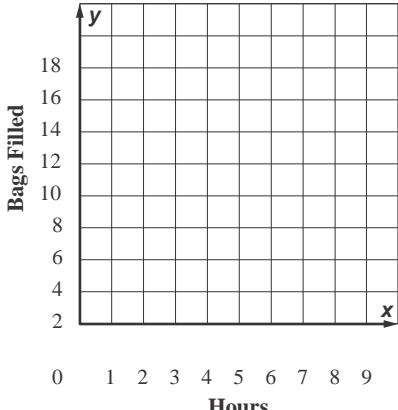
Lesson 2 Problem-Solving Practice

Lines of Best Fit

FALL 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. Use the information in the table to answer Exercises 1 and 2.

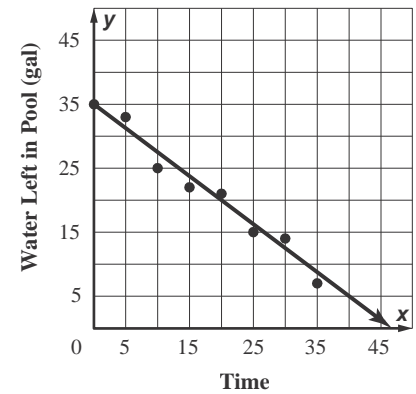
Hour	1	2	3	4	5
Bags Filled	3	4	5	8	14

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



2. 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.

BABY POOL 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. Use the information in the scatter plot to answer Exercises 3 and 4.



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

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