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Module 19 Analyzing Data and Statistics
Lesson 4 Finding a Line of Best Fit

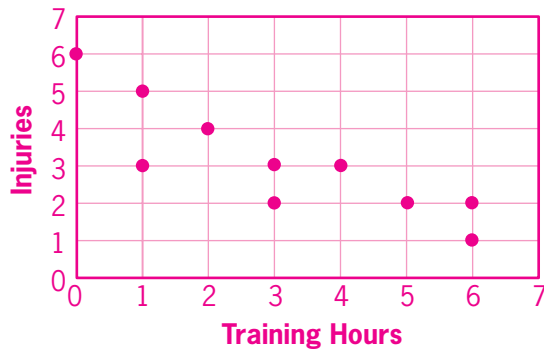
**guided
practice**

Set 1

The table below compares the number of hours of training employees received and the corresponding number of injuries in a 10-year period.

Hours	Injuries
0	6
1	3
1	5
2	4
3	3
3	2
4	3
5	2
6	1
6	2

1. Make a scatter plot of the data.



2. Describe the relationship between the data.

Negative correlation: As training hours increase, injuries decrease.

3. Use the points (0, 5) and (5, 2) to find an equation for the line of fit shown on the scatter plot which compares the number of hours of training and the number of injuries.



$$y = -0.6x + 5$$

4. Predict the number of injuries a person would receive in 10 years after seven hours of safety training.

About one injury
