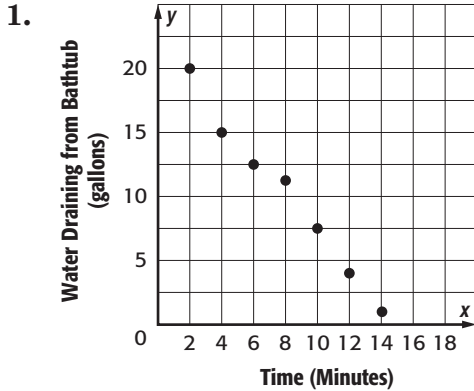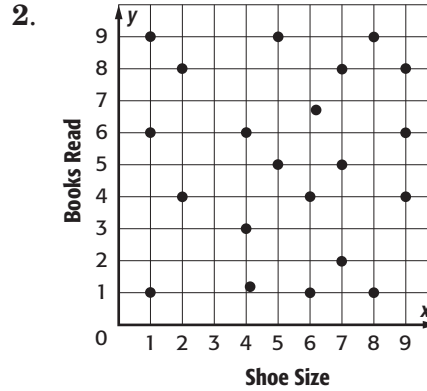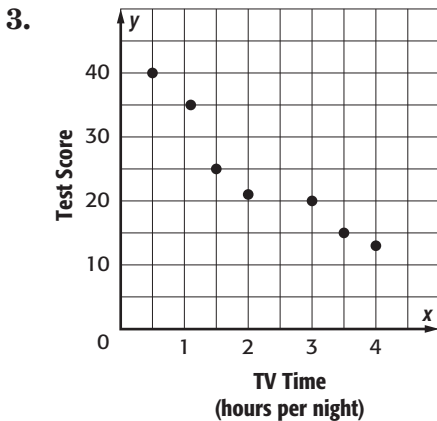# Lesson 1 Skills Practice

Scatter Plots

Explain whether the scatter plot of the data for each of the following shows a *positive*, *negative*, or *no* association. Interpret the scatter plot.
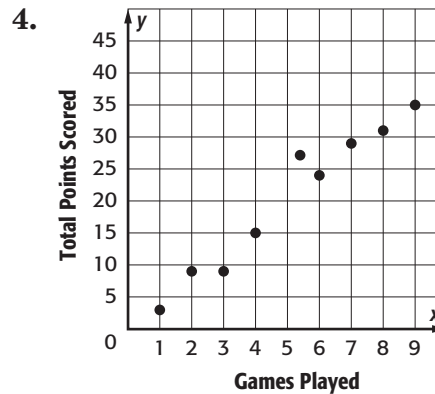
1.

negative; Sample answer: As the time increases, the number of gallons decreases. There appears to be a linear assocation.

2.

no association; Sample answer: Shoe size does not affect the number of books read.

3.

negative; Sample answer: As the number of hours decreases the score increases. There appears to be a linear association.

4.

positive; Sample answer: As the number of games played increases, the total points increases. There appears to be a linear association.

5. E-MAIL Construct a scatter plot of the number of E-mails Vincent received over the past six days. Interpret the scatter plot.

Day	1	2	3	4	5	6
E-mails	16	21	3	11	19	5

There does not appear to be a linear or nonlinear association.