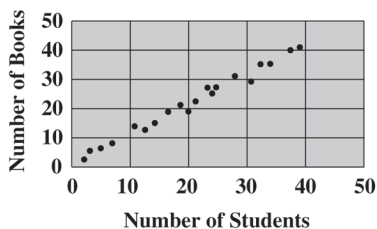


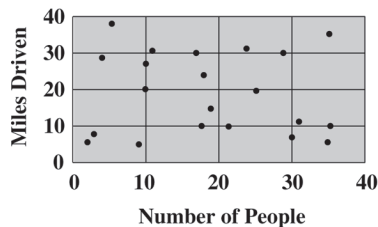
Represent two numerical variables on a scatterplot and informally describe how the data points are distributed and any apparent relationship that exists between the two variables (e.g., between time spent on homework and grade level). 7PS1.2

56. Which scatterplot shows a negative correlation?

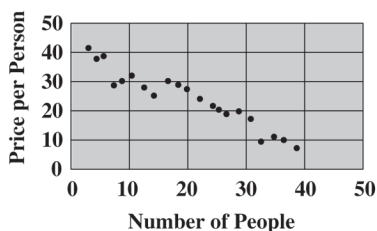
A



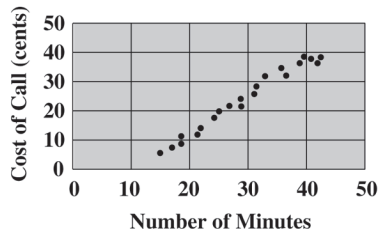
C



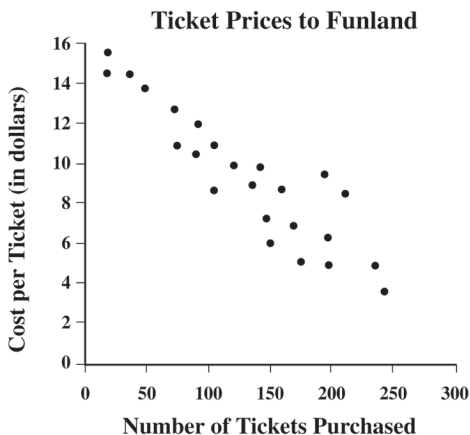
B



D



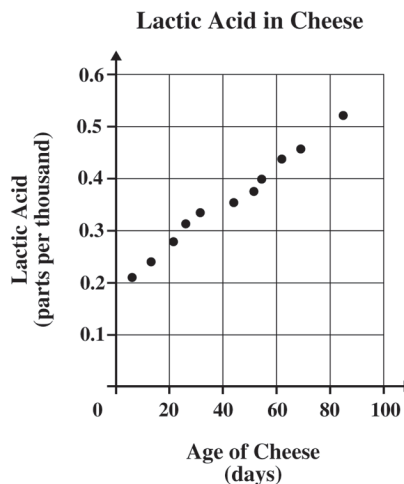
M02546



57. The cost of a ticket to Funland varies according to the season. Which of the following conclusions about the number of tickets purchased and the cost per ticket is best supported by the scatterplot above?

- A The cost per ticket increases as the number of tickets purchased increases.
- B The cost per ticket is unchanged as the number of tickets purchased increases.
- C The cost per ticket decreases as the number of tickets purchased increases.
- D There is no relationship between the cost per ticket and the number of tickets purchased.

58. The scatterplot below shows the time cheese has been aging and the amount of lactic acid present in the cheese.



Which statement is MOST strongly supported by the scatterplot?

- A The longer cheese ages, the more lactic acid is present.
- B The longer cheese ages, the less lactic acid is present.
- C The amount of lactic acid present remains constant as cheese ages.
- D No relationship exists between the time cheese ages and the amount of lactic acid present.