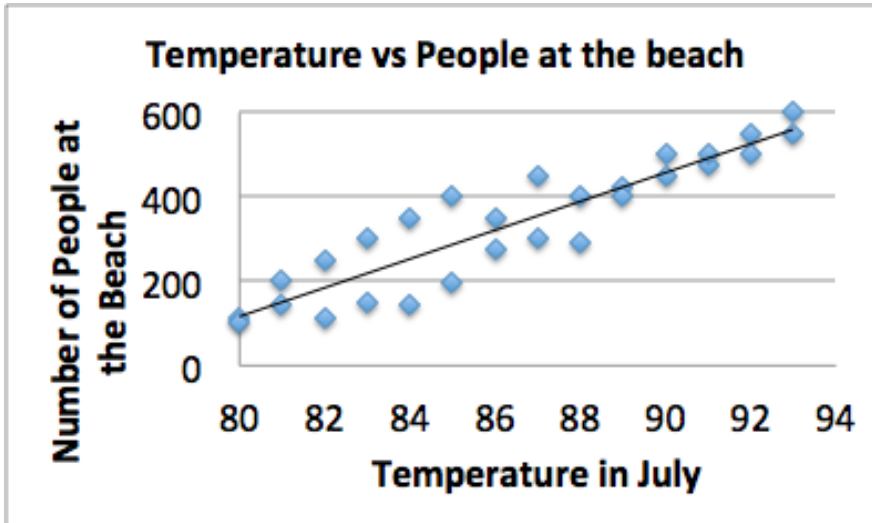


Interpret the slope of a linear model in the context of the data

Practice Set A

Name:

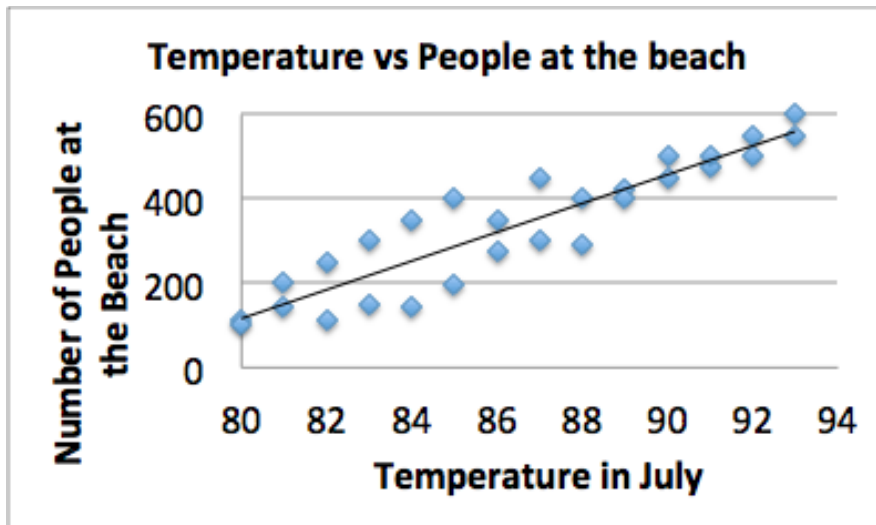
Date:



1. Answer the questions below using the graph above
 - a. How many people do you think will be at the beach when it is 80 degrees outside?
 - b. How many people do you think will be at the beach when it is 82 degrees outside?
 - c. What does the slope of a line represent?
 - d. The slope of the line of best fit is 35. What do you think the 35 represents?

Interpret the slope of a linear model in the context of the data

Practice Set A **Answer Key**



1. Answer the questions below using the graph above

a. How many people do you think will be at the beach when it is 80 degrees outside?

Student could answer 100 - 150 people

b. How many people do you think will be at the beach when it is 82 degrees outside?

Student could answer 180 - 200 people

c. What does the slope of a line of best fit represent?

The slope of a line of best fit represents the expected change in the independent variable as the dependent variable changes by one unit.

d. The slope of the line of best fit is 35. What do you think the 35 represents?

For every increase of one degree in temperature, 35 more people will come to the beach.