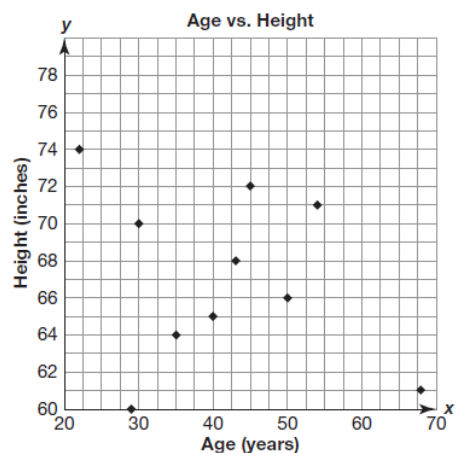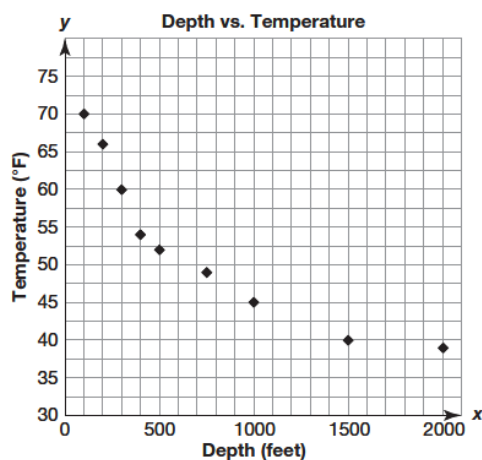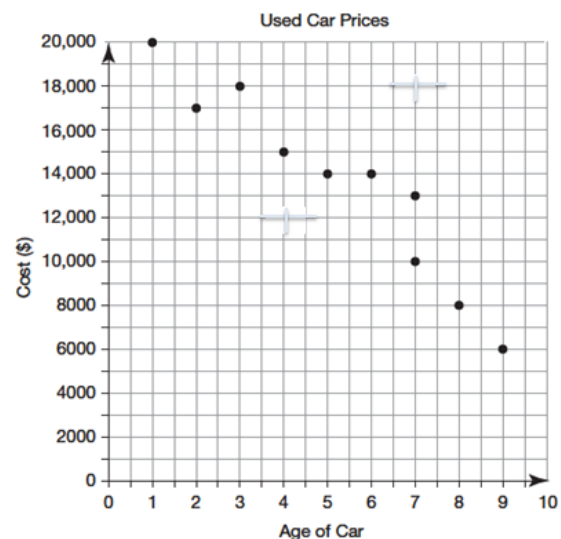Suzanne is collecting data for a research paper. She collects the following age and height data for 10 adults.

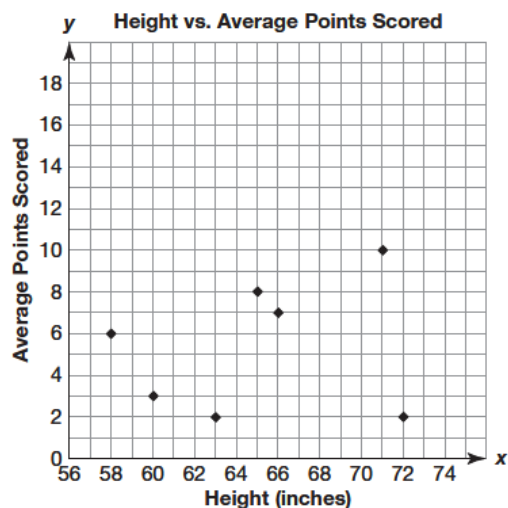Age vs. Height

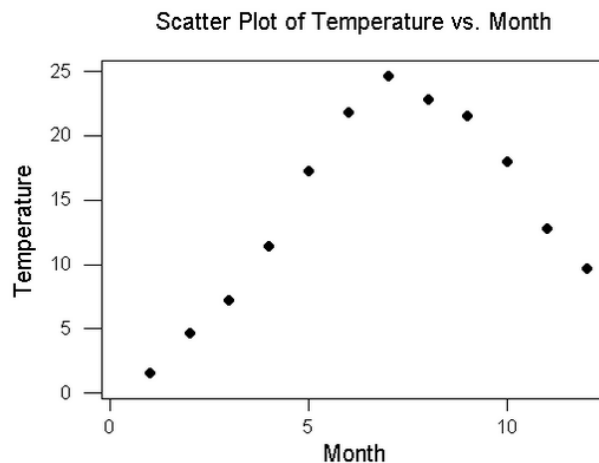Scientists studying the Bermuda Triangle measured the ocean's temperature at various depths.

Depth vs. Temperature

A used car dealership collected data about the age of the cars they sold and the price they sold them for.
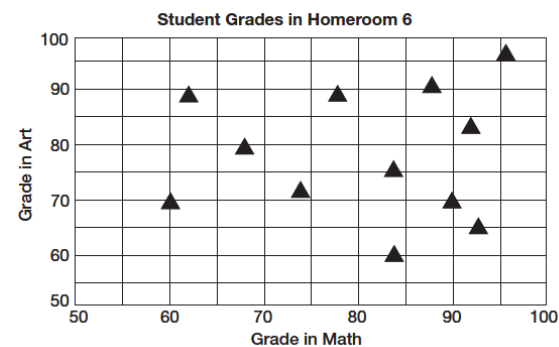

Used Car Prices

Nathan and Alex, the managers of the boys' basketball team, have collected data on the players' heights and the average number of points scored by each player.
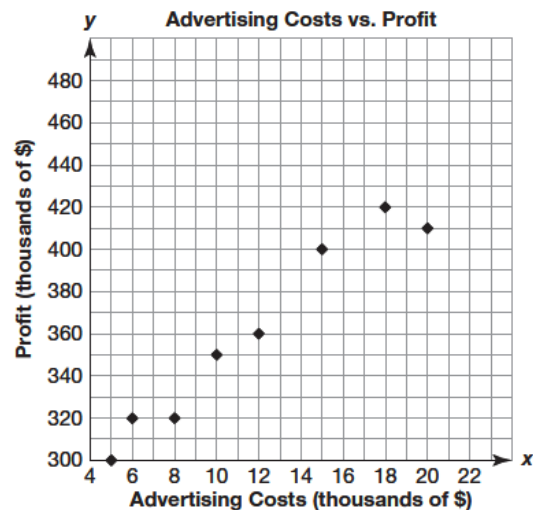

Height vs. Average Points Scored

Jessica measured the average monthly high temperature over the course of a year. Here is a scatterplot of her data.
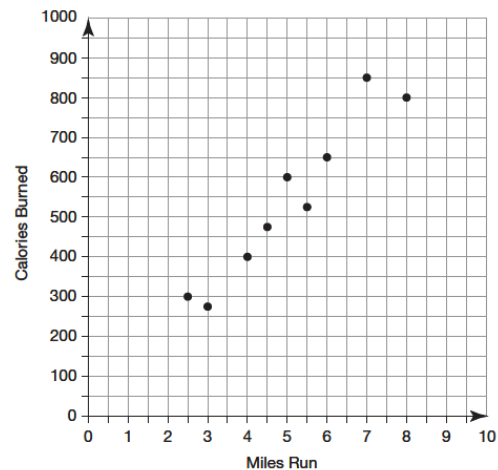

Scatter Plot of Temperature vs. Month

Michael collected data to see if there was a relationship between a student's grade in math versus art. The scatterplot is shown below.
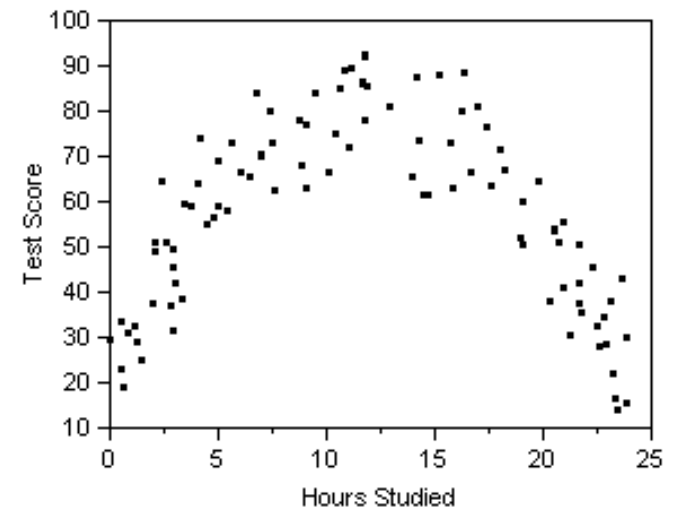

Student Grades in Homeroom 6

Rayneisha, a department store manager, has collected data on the store's advertising costs for a certain year and the corresponding profit for that year.
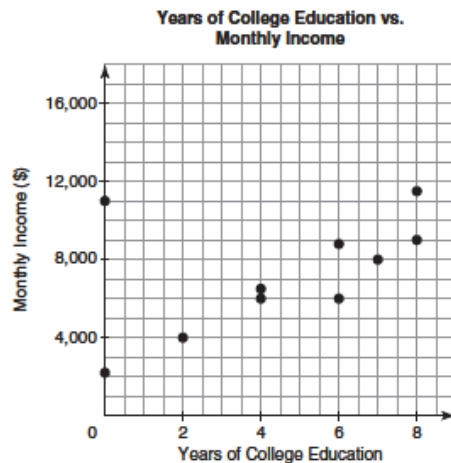
Advertising Costs vs. Profit

y-axis: Profit (thousands of $)
x-axis: Advertising Costs (thousands of $)

A personal trainer tracks the calories burned by his clients for the number of miles they run. His data is shown in the scatter plot.

y-axis: Calories Burned
x-axis: Miles Run
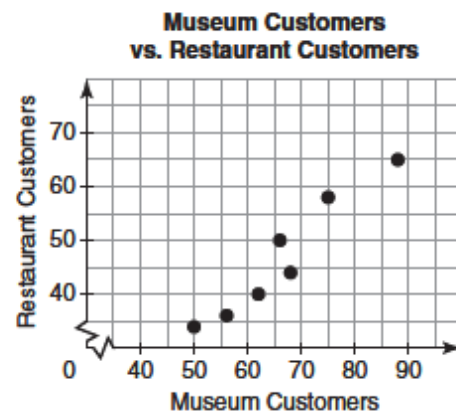
A university compared the hours students reported studying versus the grade the received on their final exam. Here is the data they collected.

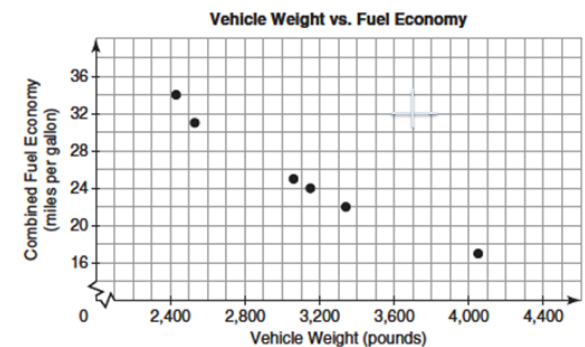y-axis: Test Score
x-axis: Hours Studied

Twelve adults answered a survey question about how many years they went to college and how much they earned in a month. The scatter plot shows the results.
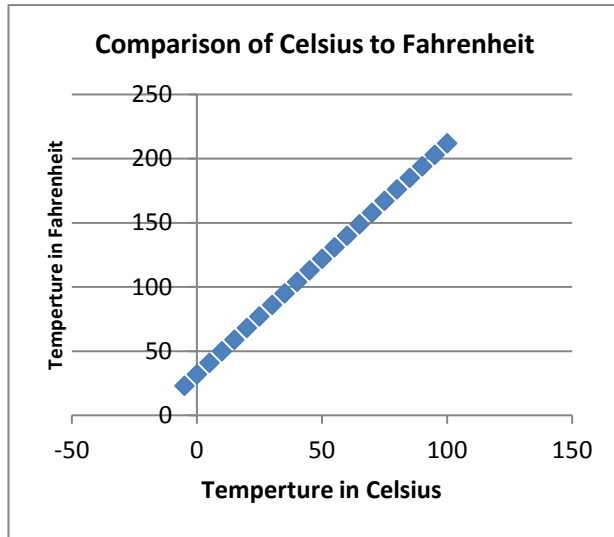
Years of College Education vs. Monthly Income

y-axis: Monthly Income ($)
x-axis: Years of College Education

The scatter plot shows how many customers visited a museum and how many customers visited a restaurant each day during one week.
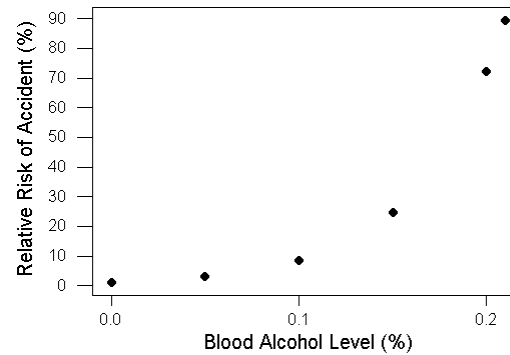
Museum Customers vs. Restaurant Customers

y-axis: Restaurant Customers
x-axis: Museum Customers

Ten drivers reported the weight and combined fuel economy of their vehicles. The scatter plot shows the data.

Vehicle Weight vs. Fuel Economy

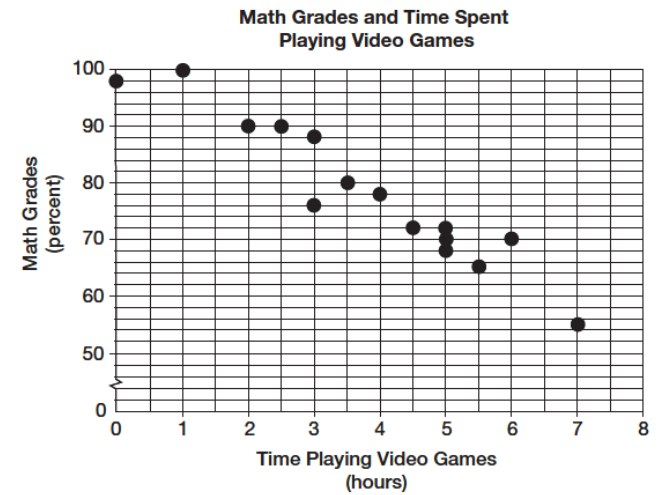y-axis: Combined Fuel Economy (miles per gallon)
x-axis: Vehicle Weight (pounds)

Temperatures measured in Fahrenheit can be re-written as temperatures in Celsius. The chart below shows how they are related.

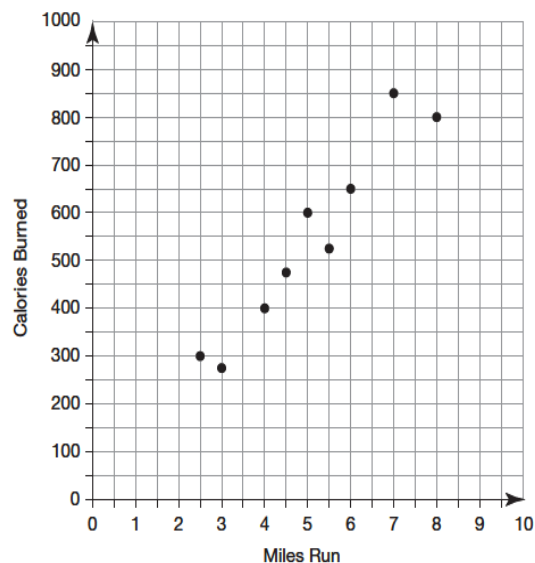**Comparison of Celsius to Fahrenheit**

Wanda wondered if there was a correlation between the blood alcohol level and the risk of having an accident. Here is the data she collected:
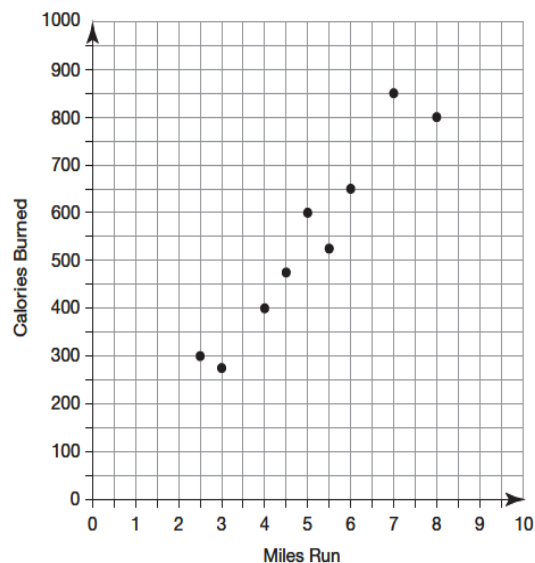

Ms. Liu is trying to determine if there is a relationship between the math grade percentage of her students, and the time spent playing video games. Ms. Liu constructed the scatter plot for the number of hours her math students spent playing video games per weeknight (Monday through Thursday), and their grade percentage in her math class.

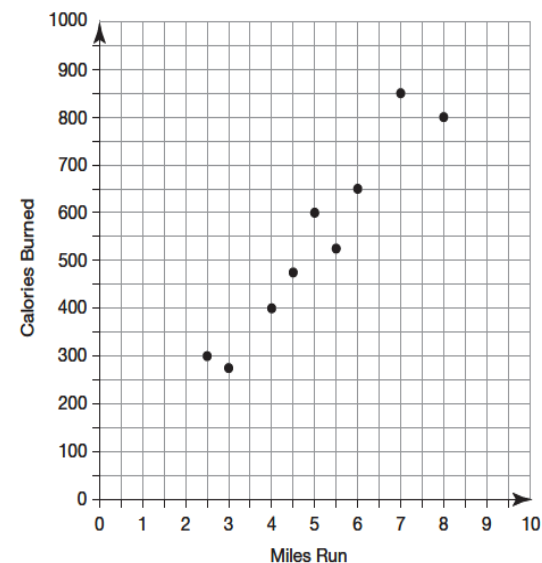**Math Grades and Time Spent Playing Video Games**

A personal trainer tracks the calories burned by his clients for the number of miles they run. His data is shown in the scatter plot.

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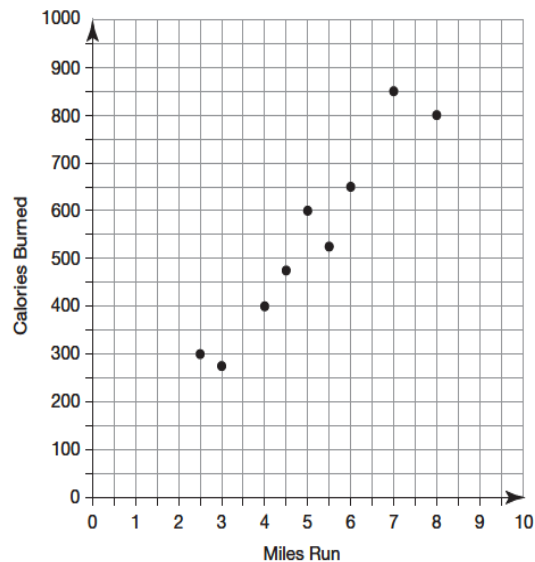

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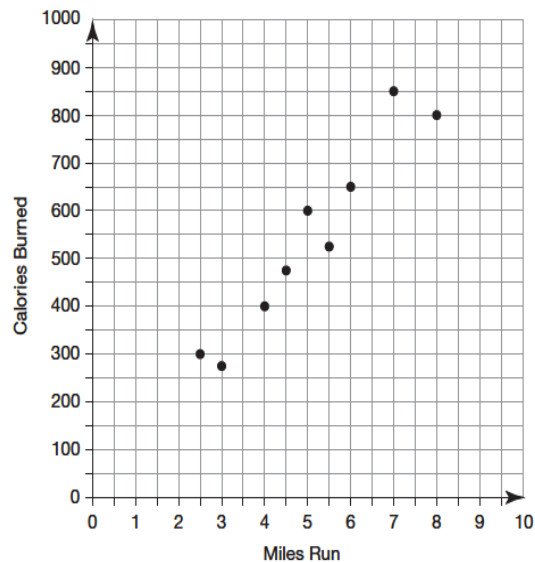

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