

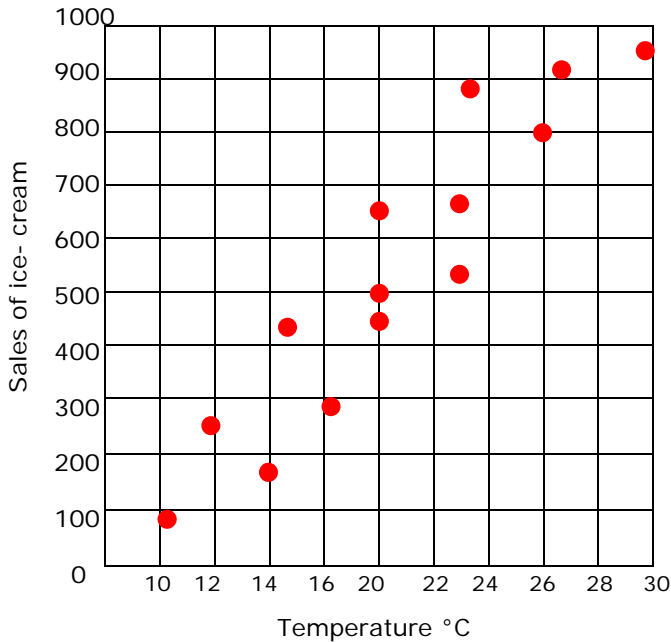
Name _____

Date _____

Correlation vs. Causation Worksheet - Independent Practice Worksheet

Complete all the problems.

The following graph depicts the relationship between the sales of ice cream and the temperature according to the weather recorded each day.



1. What type of correlation does this data represent?
2. What does the correlation show about the relationship between temperature and sales of ice cream?
3. Can it be claimed that the hotter it gets, the more ice cream is sold? Explain why or why not.



Name _____

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Which of the following statements have link between correlation and causation?

4. Is there any relationship between student's scores on an examination and students cumulative grade- point average (GPA) upon graduation?

5. The price of oil related to the demand and supply graph of oil over the years in the United States.

6. Manufacturing time per unit for a new aircraft tends to decrease each time the total number of units double.

7. A company is working on determining the relationship between workers salary and absentee rate.

8. The Deterrick Waste Management company is interested in seeing if a relationship between the age of a truck and the cost to repair the truck are related. They do find that the older truck, the more costly the repair bills.

9. The relationship between the money spent on research and development and chemical firm annual profits. The firm spends \$ 8 million for R & D in 1984 and expects to earn \$ 36 million in profits that year. This has been the trend over 6 years.

10. Richard Specker is a sales manager for large retailer is measuring his radio advertising campaign featuring major appliances (washers, dryers and dishwashers). Over the last 7 years it has been found that with varying amounts of radio time there happens to be varying amounts of appliances sold that week.

