

Prerequisite Skills

Statistics Terminology

1. Complete each statement with the correct term from the list.

population *outlier*
variance *discrete data*
sample *primary source*
secondary source *bias*

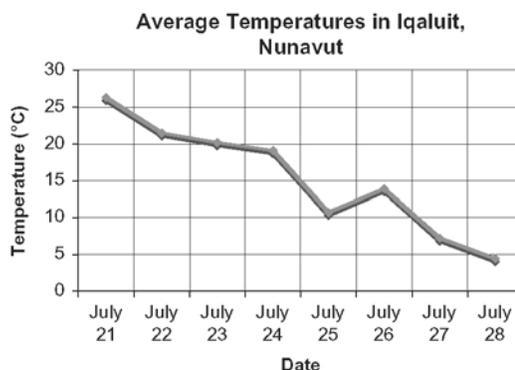
- A person who collects data for their own use is the _____.
 - A database or research collected by someone else is a _____.
 - The entire set of people or items being studied is called the _____.
 - A selection of members of a population is called the _____.
 - An extreme value in a set of data is called an _____.
 - An unwanted influence on a sample that prevents a study from being representative of the population is called _____.
2. Identify each measure of central tendency.
- The middle value when a set of data is ordered from least to greatest.
 - The sum of a set of data divided by the number of data.
 - The value or attribute that occurs most often in the set of data.

Linear Graphs

3. Graph each equation.
- $y = 3x - 2$
 - $y = -4x + 2$
 - $y = \frac{2}{3}x - \frac{1}{4}$
 - $y = -0.63x + 3.21$

Interpret Graphs

4. The graph shows the trend in temperature in Iqaluit, Nunavut during one week in July, 2008 at 2 P.M.



- Identify the type of graph shown.
- Why was a histogram not used? Explain.
- Which days had the highest and lowest temperatures?

Use Technology

5. Sameer recorded the ages of student volunteers at the local library.
- 12, 16, 15, 14, 18, 17,
 12, 18, 13, 16, 14,
 13, 15, 16, 13, 14,
 15, 12, 13, 15, 17,
 16, 18, 17, 13, 12
- Use a graphing calculator or dynamic statistical software to make a histogram of the data.
 - Determine the mean, median, and mode.

