

Graphing and Analyzing Scientific Data

Graphing is an important procedure used by scientist to display the data that is collected during a controlled experiment. There are three main types of graphs:

Pie/circle graphs: Used to show parts of a whole.

Bar graphs: Used to compare amounts.

Line graphs: Use to show the change of one piece of information as it relates to another change.



Both bar and line graphs have an "X" axis (horizontal) and a "Y" axis (vertical).

Parts of a Graph:

Title: Summarizes information being represented in ANY graph.

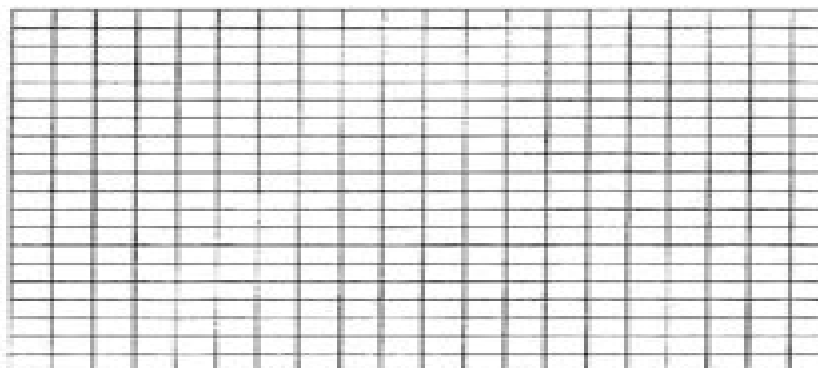
Independent Variable: The variable that is controlled by the experimenter, such as, time, dates, depth, and temperature. This is placed on the X axis.

Dependent Variable: The variable that is directly affected by the I.V. It is the result of what happens as time, dates, depth and temperature are changed. This is placed on the Y axis.

Scales for each Variable: In constructing a graph, one needs to know where to plot the points representing the data. In order to do this a scale must be employed to include all the data points.

A. Graph the following information in a **BAR** graph. Label and number the x and y-axis appropriately.

Month	# of deer
Sept	38
Oct	32
Nov	26
Dec	20
Jan	15
Feb	12



1. What is the independent variable? _____
2. What is the dependent variable? _____
3. What is an appropriate title? _____

Analyzing Data Student Activity Sheet 6 Answers

**Thomas J. Cashman, Gary B.
Shelly, Kathleen Shelly**



Analyzing Data Student Activity Sheet 6 Answers:

The Enigmatic Realm of **Analyzing Data Student Activity Sheet 6 Answers**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Analyzing Data Student Activity Sheet 6 Answers** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those that partake in its reading experience.

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