

Temperature Graphing Project

Name: _____

Information:

You will track the high and low temperatures of the day, for a consecutive days, in a city of your choice.

You will be measuring the temperatures in °C.

You will use the data gathered to create:

1. A double line graph comparing the daily high and low temperatures.
2. A Stem and Leaf Plot (with mean, median, mode, and range)
3. Histogram (Bar Graph with Intervals and Tally's)
4. Questions to ask about your graphs
5. Conclusions and Interpretations of your data (temperature of the city, travel plans, clothing needs etc.)

This project will need to be done completely by:_____.

Your grade will come from the following:

Contents	Points
Double Line Graph	Total 30 Points
Title	· 2 points
x-axis Correctly Labeled	· 2 points
y-axis Correctly Labeled	· 2 points
Key/Legend	· 3 points
Data Graphed Correctly	· 10 points
Appropriate Intervals	· 3 points
Neat & Easy to Read	· 3 points
2 Meaningful Questions	· 5 points
Total Points Earned	· 30 points

Contents	Points
Stem and Leaf Plot	Total 30 Points
Title	· 2 points
Stems graphed correctly	· 2 points
Leaves graphed correctly	· 2 points
Range	· 4 points
Mean	· 4 points
Median	· 4 points
Mode	· 4 points
Neat & Easy to Read	· 3 points
2 Meaningful Questions	· 5 points
Total Points Earned	· 30 points

Contents	Points
Histogram	Total 30 Points
Title	· 2 points
x-axis Correctly labeled	· 2 points
y-axis Correctly labeled	· 2 points
Frequency	· 3 points
Data graphed correctly	· 10 points
Appropriate Intervals	· 3 points
Neat & Easy to Read	· 3 points
2 Meaningful Questions	· 5 points
Total Points Earned	· 30 points

Content	Points
Conclusions and Interpretations	Total 10 Points
Describe double line graph	· 2 points
Describe Plot and Leaf Plot	· 2 points
Describe Histogram	· 2 points
Make a conclusion about the temperature overall. 4 Conclusions	· 4 points
Total Points Earned	· 10 points

Helpful Hints for Success!

- Don't leave your data collection to the last minute! YOU NEED 10 Days, and time to complete the graphs!
- Use one graph per page (Larger graph paper is better)
- Use construction paper to make neater, final products
- Add a title page to help bring all of your work together! Don't forget your name!
- Use a "Catchy" Title
- Use colours to help code/finalize your work
- ASK QUESTIONS!!

