

Graphing Project- Chapter 9

Step 1 - Decide what data to collect. Examples below.

Step 2 – Collect Data. Must have a minimum of 20 data pieces, but try to keep it under 40. At least half of the data must be numbers over 10. Data must be numbers between 0 and 100, using no fractions or decimals.

Step 3 – Put Data together. Project must include the following.

1. Data List, **numbered, labeled and in order from least to greatest** (3pt.) **Due Jan. 21st**
 2. Mean- show grand total / number of data pieces (3pt.)
 3. Median (1pt.) **Extra Credit: Turn project**
 4. Mode (1pt.) **in by Friday, February 20th (3pt.)**
 5. Range (show high – low) (2pt.) <Range must be 20 or greater>
 6. Frequency Table, **list scale and interval** (3pt.)
 7. Line Plot, **list scale and interval** (3pt.)
 8. Stem & Leaf Plot, label with key (4pt.)
 9. Box and Whisker Plot / 5 number summary labeled, list IQR, and outliers(8pts.)
 10. Histogram- Label x axis, y axis, Title, correct interval & scale (6pt.)
 11. Circle Graph- Title, use same intervals as histogram, label with %-show all math work(fraction decimal(%) degree)--by hand 6pt., computer created 3pt.
 12. Paragraph: (5 pt.) Summary/best graph/central tendency
- *****Project appearance and presentation (6 pt.)**
Title on Front Name and Hour on Back (2pt.)

Project may be a poster, a flip book, a cube, a Power Point presentation, mobile, or to be determined by you as long as you discuss it with teacher.

Possible data ideas:

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|--|-------------------------------------|
| Number of CD's people have | Age of people living on your block |
| Yards thrown in 20 consecutive games by a one quarterback | |
| Number of sit-ups different people can do in lets say 1 minute | |
| Number of nail polish bottles someone has | Number of pairs of shoes people own |

*****This project is worth more than a Test score so give it your best effort.**

Data List Due in class by Wednesday, Jan. 21st so we can start working on project.
Projects are Due Monday, February 23rd . Be prepared to present on this date. This page can be accessed at www.coldwaterschools.org

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Bring this bottom section back to class by Thursday, January 15 for a homework grade.

Topic _____

Parent Signature_____ Student Signature _____