

Grade 8 Math **Data Displays Culminating Task 2024**

Name :

Class :

Date :

We have discussed Primary and Secondary data, data types and how different graphs are used to show different types of information graphically. This final task is to create two Scatter Plots with the data that we collected from the class. You are to create one that is hand-drawn and one that is computer generated (using a spreadsheet program). All elements of the chart must be included. Make sure you check with the Success Criteria and the Rubric so that you can be as successful as possible.

Task:

Part 1 - Create one hand-drawn Scatter plot with two sets of data from the class. The spreadsheet will be emailed to you so that you can use it.

Part 2 – Create a computer-generated Scatter Plot with a different chosen set from the class.

Part 3 – Analysis/ Explanation. Explain the types of data used and explain what the information shows. Summarize the data and add any observations that you might have of the data.

The three parts should be handed in on standard sized sheets of paper (you can use a graph paper sheet for your hand-drawn scatter plot. You must have your name and class on it – as well as a title. (i.e., “**Grade 8 Math Data Culminating Task**” **Your Name Class 7/8C May 2023**)

Success Criteria-

- Graphs should be accurate and neat (use a ruler and make sure lines are parallel and perpendicular, use graph paper provided or draw it neatly and accurately).
- All appropriate labels should be present and neat: Descriptive Graph Title, Date, Author’s Name, Class
- Data labels should have units and the axis should be labeled with a consistent interval. The data should be spread out and the correct symbol should be used to show a broken axis if applicable.
- Line of Best Fit is included
- Analysis that describes the relationship and correlation and that summarizes the data and makes some conclusions

Due Date: In order to finish this task well but to ensure that it is done efficiently, three class periods will be provided. This task will be due at the BEGINNING of class on Friday, May 24th (It is a Day 4). Make sure to use your class time wisely and get as much done at school as possible. If I do not see you working on it, your work will not be accepted unless there are extenuating circumstances and you have communicated to me prior to Friday’s due date (not ON Friday).

Rubric for Data Display Culminating Task

Name: _____ Class: _____

Due Date: _____

Criteria	Level 4	Level 3	Level 2	Level 1
Neatness and completeness	Very neat and thorough work with both graphs as required – polished looking	Neat and complete Ruler used and neat printing or good font used	Lacking some neatness and/or missing some elements that were required for the assignment	Incomplete and/or lacking care in some requirements
Title	Descriptive and neat title – nothing missing	Title present and includes name, class, date and sized and centred appropriately	Some elements of title but not entirely descriptive May be missing name, class or date	Rough or no title on one or both graphs
Data	Data is accurate Data is plotted accurately Choses trickier data set and does it well	Data is included and few errors Uses complex data sets Data is plotted well	Data not plotted well or has error issues	Little care was shown in plotting data or to complete it with enough accuracy
Graph Axis Labels	Colourful Appropriately labeled with well fitted trend line Effective presentation	Coloured and labels to show data Trend line pretty good	Some colour and labels to show data Trend line not accurate	Limited or no colour or data displays Trend line is missing
Description of Data	Well described and accurate description of data	Data described well	Some elements of data description missing or incorrect	Data Description is missing
Analysis	Insightful analysis referring to the data and the people who provided the data – including possible errors in the data	Analysis of the data in a summary or what it means about the members of the class.	Some attempt at analysis and summarizing of data – maybe just a statement of the values	Little to no analysis or attempt to summarize or interpret the data
Due Date	Handed in before due date completely finished	Handed in on the correct day or late with a legitimate reason communicated beforehand	Handed in incomplete – with or without an explanation not communicated beforehand	Handed in late or completed – careless with no explanation – needed reminders possibly

Overall Mark: _____

Additional Comments: