NCTM Content Standards Assessment Rubric

Data Analysis and Probability

Student's Name: _____ Assignment: _____ Level: _____

|	Level 1	Level 2	Level 3	Level 4
Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	• Demonstrates a limited ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	• Demonstrates a basic ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	• Demonstrates a good ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	• Demonstrates a thorough ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them
Select and use appropriate statistical methods to analyze data	• Demonstrates a limited ability to select and use appropriate statistical methods to analyze data	• Demonstrates a basic ability to select and use appropriate statistical methods to analyze data	• Demonstrates a good ability to select and use appropriate statistical methods to analyze data	• Demonstrates a thorough ability to select and use appropriate statistical methods to analyze data
Develop and evaluate inferences and predictions that are based on data	• Demonstrates a limited ability to develop and evaluate inferences and predictions that are based on data	• Demonstrates a basic ability to develop and evaluate inferences and predictions that are based on data	• Demonstrates a good ability to develop and evaluate inferences and predictions that are based on data	• Demonstrates a thorough ability to develop and evaluate inferences and predictions that are based on data

STRENGTHS:

WEAKNESSES:

NEXT STEPS:

SAMPLE

Data Analysis and Probability CCP3104-4

Task Sheet 10

10) **Look at the graph below.**
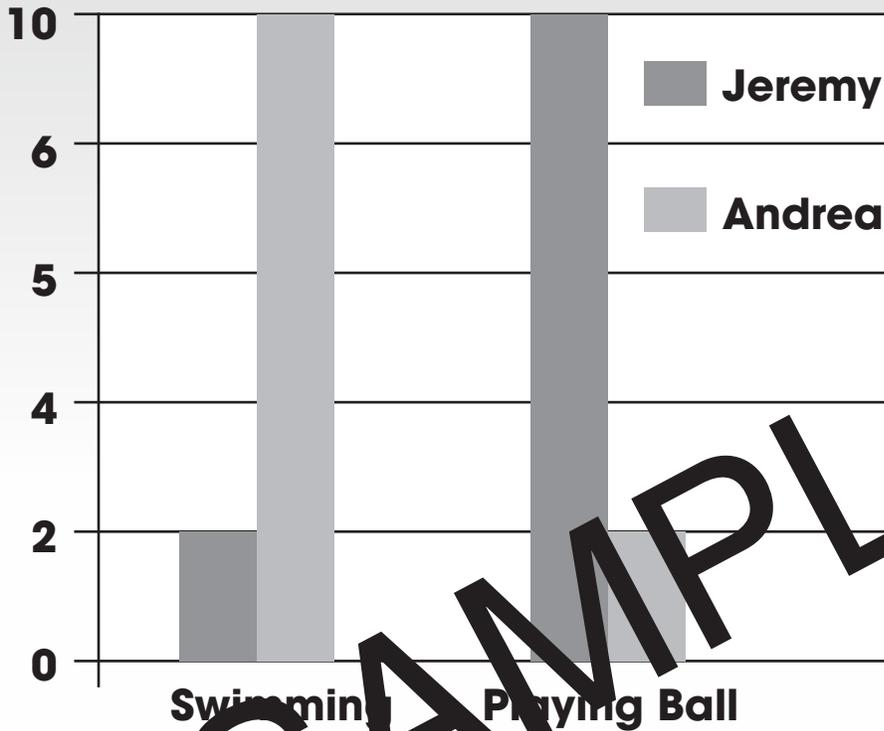
a) **What does the information in the graph tell you?**

_____

_____

b) **Do Jeremy and Andrea like the same or the opposite sports?**

_____

c) **What is one question you would like to ask about the information? Provide an answer.**

_____

_____

Drill Sheet 2

The chart below shows the number of snowy days in the month of December.

Month	Snowy Days Tally
December	I I I I I I I I I I I I I I I I I I

Using the information in the chart above, create a graph to show the number of snowy days in December.
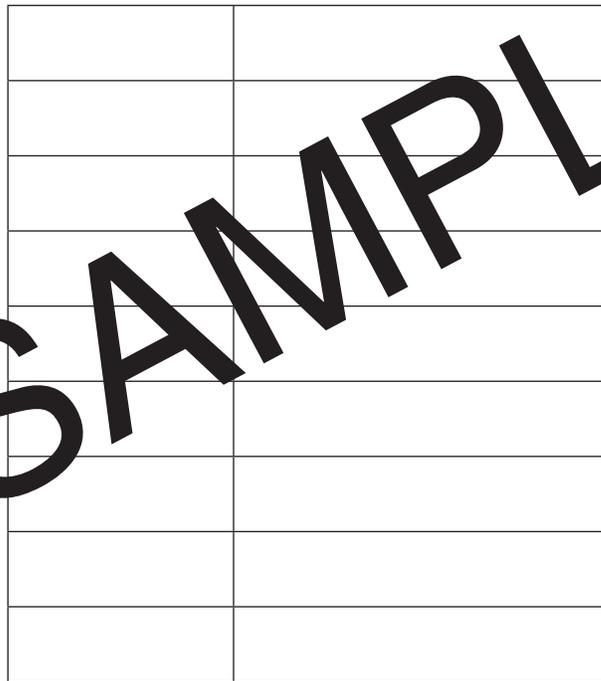
SAMPLE

Explore With Technology
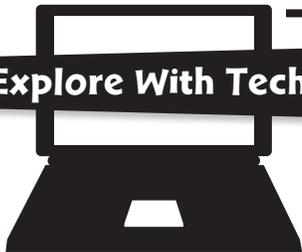
Visit http://www.theweathernetwork.com/ to find the weather in your area. Tally and graph the information.

Conduct a Survey

Ask 15 classmates five questions, then fill in the chart with the results.

Topic	Tally

What did you learn?

_____

_____

_____