NCTM Content Standards Assessment Rubric

Data Analysis & Probability – Drill Sheets

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

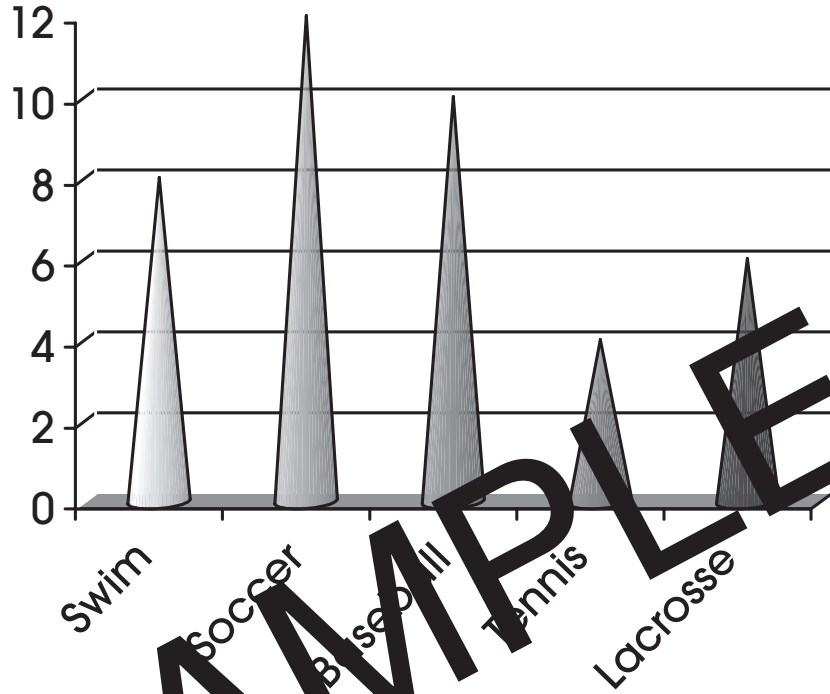|	Level 1	Level 2	Level 3	Level 4
Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	• Demonstrates a limited ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	• 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:

11a) The chart below shows activities children played during the summer.

1. How many children swim? _____

2. Six children do what activity? _____

3. Which activity did the children play the most? _____

4. Which activity did the children play the least? _____

5. How many more children play baseball than tennis? _____

6. How many children play lacrosse? _____

7. How many total children play soccer or swim? _____

8. What sport do more children play, tennis or lacrosse? _____

9. Four more children play baseball than what? _____

10. How many children play sports in water? _____

8 Minutes

12a) **The table below shows different shapes in different colors.**

	Yellow	Red	Green	Blue
Squares	▢ ▢ ▢	▢ ▢ ▢	▢ ▢	▢ ▢ ▢ ▢
Triangles	△ △	△	△ △	△ △ △
Circles	○ ○ ○	● ●	●	● ●
Rectangles	▭ ▭	▭	▭	▭ ▭

SAMPLE

1. How many shapes are yellow or red?   _____
2. How many shapes are green or blue?   _____
3. How many of the shapes are rectangles?   _____
4. How many of the shapes are circles?   _____
5. How many of the shapes are triangles?   _____
6. How many of the shapes are squares or rectangles?   _____
7. Suppose you picked a blue shape from a bag. What shape
   would you most likely pick?   _____
8. Suppose you picked a red shape from a bag. What shape
   would you most likely pick?   _____
9. Suppose you picked a green shape from a bag.
   What shape would you least likely pick?   _____
10. Suppose you picked a yellow shape from a bag.
    What shape would you least likely pick?   _____

Always, Sometimes, Never

Always means it happens all the time. Sometimes means it happens often. Never means it does not happen.
In the chart below, make a list of items you will always see in school in the first column. List the items you will sometimes see in school in the second column. List the items you will never see in school in the third column.

Always	Sometimes	Never

SAMPLE

Data Analysis & Probability CCP3204-4