## NCTM Content Standards Assessment Rubric

## Data Analysis & Probability – Drill Sheets



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NAME:

12a) The Museum of Science for Children has the following game in its probability room. Students press a button releasing a disc. The disc falls on one of the numbers on the game board below.

Minutes

Ex: What is the probability that you will land on the number 5? <u>1 in 10</u>

1	2	3	4	5
6	7	8	9	10

i) What is the probability that you will land on an odd number?

- ii) What is the probability that you will land on an even number
- iii) What is the ratio of odd numbers to even numbers?

Timed Drill Sheet # 8

- iv) What percent of the game board is made of white sa vares?
- v) What percent of the game board is made a fight gay quares?
- vi) What fraction of the game board is many or dark gray succes
- vii) What fraction of the squares have black, um, ers?
- viii) What fraction of the squares have white numbers?
- ix) What is the ratio of white receipters to stark numbers?
- x) What percent of the numbers to the board are even and less than 10?
- xi) What are your chances of chains on a light gray square?
- xii) What are your the property of binding on a dark gray square with an odd number?
- xiii) What are your choices of landing on a white square with an odd number?
- xiv) What are your chances of landing on a light gray square with an odd number?
- xv) What are you more likely to land on, a dark gray square with an even number or a white square with an odd number?
- xvi) What are you more likely to land on, a dark gray square with an odd number, a light gray square with an odd number, or a square with white letters?



Create your own game board like this one. Write six probability statements using your board.

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a) The graph below shows the number of students who play different instruments in the Carroll School band.



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The graph below shows the size of the U.S. military forces. Working with a partner or in a small group, use this graph to complete the activity.

Ordering



