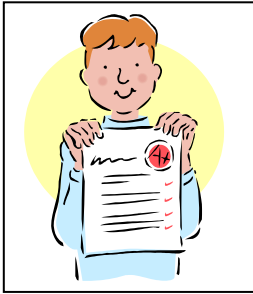


“Guessing On a Test” Histogram

Name _____

Date _____



How well would you score if you guessed all the answers on a test? After an experiment in guessing all the answers on a test, enter all the scores for your classmates in your calculator. What would be a good interval for all these scores?

1. Use the TI- 73 to set up histogram showing the distribution of the scores. Before pushing the GRAPH key, set the values in the window so x-min is 0, x-max is the highest score, x-scl is the interval, y-min is 0, y-max is the maximum number of people having a score in an interval, and y-scale is 1. Sketch the graph on the axes below. Label the intervals and the numbers for the axes.



5. Looking at the graph, what would you estimate is the average “Guessing” score might be? Explain how you know this from looking at the graph.

6. About what is the median score? How did the graph help you decide this?

7. Was there an outlier? How did the outlier affect the histogram?

8. What inferences can be made from the data about the score you might get if you are guessing the answers?