

Name: _____

PICTURING DISTRIBUTIONS: TAPE#2

1. Two histograms were pictured in the video to describe lightning flashes. One histogram pictured first flashes and the other pictured the maximum number of flashes. What was the center of both histograms?

First Flashes:

Maximum Flashes:

2. How did Raul Lopez explain the outliers showing up in the histogram of the maximum number of flashes during the day?

3. Dr. Teresa Amabile used two hypothetical examples of T.V. programs. She showed a histogram for an action program and a sitcom and had age on the horizontal axis. If she were to choose a program for the 18 to 54 year age group which would she choose and why?

4. Dr. Amabile demonstrated a histogram of commuter traffic patterns. She showed several versions of the histogram with the class width changing. What is the reason for not having just a very few classes or many, many classes?

5. Dr. Amabile discussed a study from the New England Journal of Medicine which investigated the number of hysterectomies performed on patients. Two stem-leaf plots were pictured side by side showing the difference between the number of hysterectomies performed by male physicians versus female physicians. What revealing information might we learn from the stem-leaf plots?