



- c. Describe how to use the histogram to determine the number of students who reported how many pairs of shoes they own.

- d. The two students who had five pairs of shoes each bought 5 new pairs of shoes. Drag the points to update the distribution to account for the changes in the number of pairs of shoes for these students. Predict which bin will have the highest bar for bin width 5? Bin width 10? Explain your reasoning, and then check using the TNS activity.



Activity 2 [Page 3.2]

1. Work with a partner to create two reasonable distributions for the number of pairs of shoes owned by the students in a class, either by moving or adding points, 1) a distribution with little variability in the number of pairs of shoes owned by most of the class and 2) a distribution where there is a lot of variability in the number of pairs of shoes owned by the class.

Choose a bin width that seems best for your distribution. Describe your distribution (shape, center and spread). Explain why you think one of your distributions has very little variability and the other has a lot of variability.

