





## Activity 3 [Page 2.2]

1. A second class had four students who each had 7 caps, six students with 2 caps, one student with no caps, eight students with 10 caps and three students with 5 caps.
  - a. How many students were in the class?
  
  
  
  
  
  
  
  
  
  
  - b. What was the total number of caps the students in the class owned?
  
  
  
  
  
  
  
  
  
  
  - c. Enter the data into the table on page 2.2. Use the columns in the table to verify your answers to a and b.
  
  
  
  
  
  
  
  
  
  
  - d. Select **Graph**. Describe the distribution.
  
2. Use the TNS activity to answer the following.
  - a. Find the median and IQR for the number of caps for this class.
  
  
  
  
  
  
  
  
  
  
  - b. Make a conjecture about the values of the mean and mean $\pm$ MAD and how they will compare to the median and IQR.
  
  
  
  
  
  
  
  
  
  
  - c. Find the mean and IQR and check your conjecture in b.

