

1. Mrs. Hompesch's Biology class recorded the daily high temperature in F° every day for the last 24 days.

Data: 43, 57, 51, 50, 55, 59, 65, 67, 68, 32, 34, 45, 38, 46, 50, 55, 57, 57, 63, 65, 50, 48, 54, 57

a. Make a stem and leaf plot of the data.

b. What 10 degree interval contains the most daily high temps?

2. Construct an unbiased histogram with between 4 and 8 intervals of the data below

Fifteen people were asked to state the number of hours they exercise in a seven day period. The results of the survey are

listed : 8, 2, 4, 7.5, 10, 11, 5, 6, 8, 12, 11, 9, 6.5, 10.5, 13

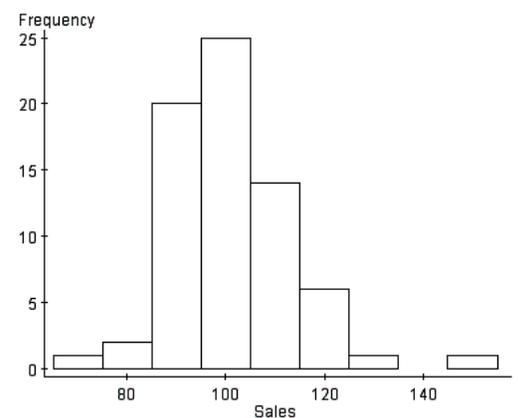
3. Write 4 true sentences describing trends in newspaper sales from the histogram at right.

1.

2.

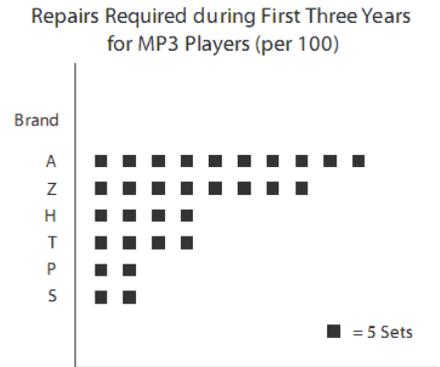
3.

A histogram of Daily Newspaper Sales
Sales are in Thousands of Papers Sold per Day



4. Use the data from dot plot at right

- How many of each brand of MP3 Players were included in survey?
- How many more Brand A players needed repair than Brand T?
- What percent of Brand P players needed repairs in first 3 years?



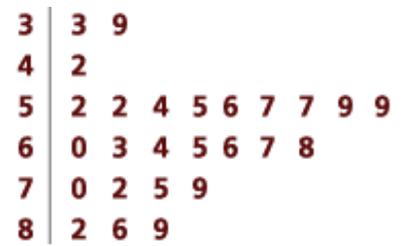
5. Surveyed college students in Montana spent the following amounts (in US\$) on textbooks for one semester of classes:

Totals: 450, 610, 500, 478, 712, 558, 555, 612, 250, 570, 540, 680, 460, 590, 410, 300, 550, 595

Make a frequency table for costs of textbooks *which includes intervals for amounts spent*.

6. An experiment was conducted which asked a person to say "start" and "stop" at a elapsed time interval he/she believed was exactly one minute. The seconds were recorded in stem and leaf plot below.

- How many people nailed one minute exactly?
- How many peoples' estimate was within 5 seconds of one minute?
- How many estimates were more than 10 seconds away from one minute?



3|9 = 39 seconds

7. Determine whether or not each is a good sample. If the sample is poor, describe what caused the bias.

a.

b.