1. The data shows the fuel economy, in miles per gallon, of the cars owned by a rental car company.

26, 32, 18, 47, 16, 24, 33, 17, 34, 27, 24, 36, 23, 26, 19, 22, 21, 20, 35, 28, 29, 43, 23, 33

1. Create a frequency table using class widths of 5.
2. Create a frequency histogram using bin widths of 5.
3. Describe the shape of the distribution.

Answer:

1. The data show the years in which climbers on an expedition were born.

Reached the Summit: 1973, 1980, 1953, 1960, 1965, 1946, 1967, 1971, 1961, 1950

Did Not Reach the Summit: 1970, 1992, 1984, 1945, 1968, 1982, 1989, 1985, 1970, 1956, 1964, 1992, 1939, 1973, 1984, 1983, 1991, 1993

1. Create a double stem-and-leaf plot that compares the birth years for the climbers who reached the summit and the climbers who did not reach the summit.
2. Describe the shape of the distribution of the years for those who reached the summit and the shape of the distribution of the years for those who did not reach the summit.
3. What conclusion can you draw from the double stem-and-leaf plot?

Answer: