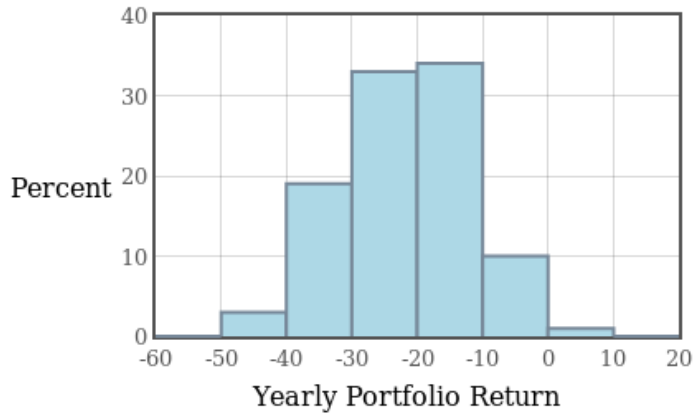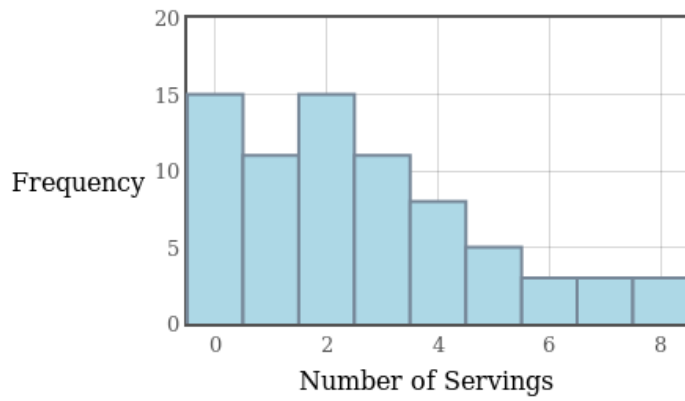1. Below is a histogram of the percent return on a randomly chosen collection of client portfolios for the S.P. Martini Wealth Management Company.

Approximately what percentage of portfolios saw a return of -30% or more?

A. The percentage of portfolios which saw a return of -30% and or more is 83%.

B. The percentage of portfolios which saw a return of -30% and or more is 93%.

C. The percentage of portfolios which saw a return of -30% and or more is 53%.

D. The percentage of portfolios which saw a return of -30% and or more is 78%.

E. The percentage of portfolios which saw a return of -30% and or more is 63%.

F. The percentage of portfolios which saw a return of -30% and or more is 88%.

G. The percentage of portfolios which saw a return of -30% and or more is 68%.

H. The percentage of portfolios which saw a return of -30% and or more is 58%.
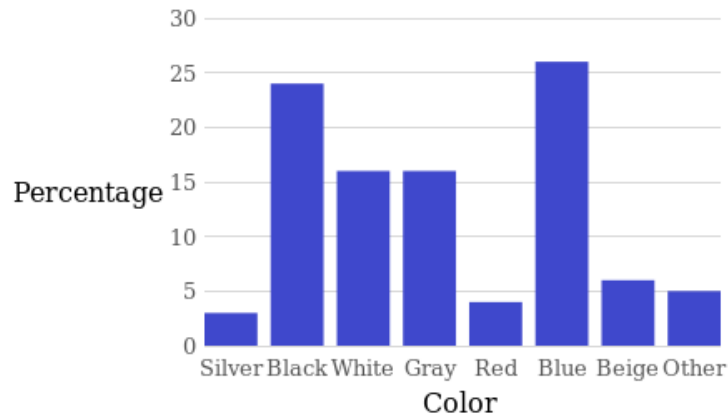
2. The figure below is a histogram of the number of servings of fruit per day claimed by 74 seventeen-year-old girls in a study in Pennsylvania.

How many girls ate 1 serving or less?

A. 16 girls ate 1 serving or less.

B. 26 girls ate 1 serving or less.

C. 24 girls ate 1 serving or less.

D. 28 girls ate 1 serving or less.

E. 32 girls ate 1 serving or less.

F. 34 girls ate 1 serving or less.

G. 22 girls ate 1 serving or less.
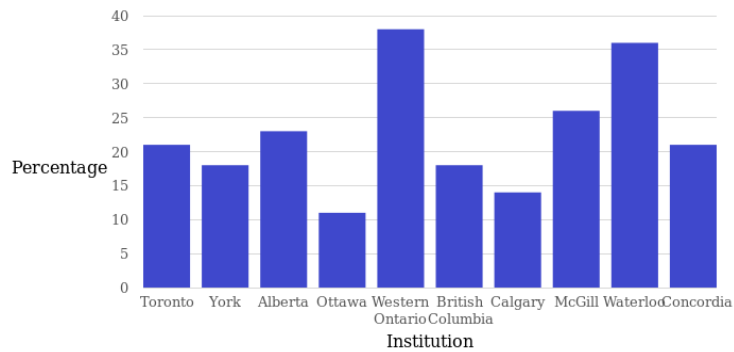
H. 18 girls ate 1 serving or less.

3. The most popular colors for cars and light trucks vary with region and over time. Here is the distribution of the top colors for vehicles sold in Funkytown, U.S.A.:

What is the least popular color in Funkytown?

A. Red is the least popular color in Funkytown.

B. Other is the least popular color in Funkytown.

C. Silver is the least popular color in Funkytown.

D. Beige is the least popular color in Funkytown.

E. White is the least popular color in Funkytown.

F. Gray is the least popular color in Funkytown.

G. Black is the least popular color in Funkytown.

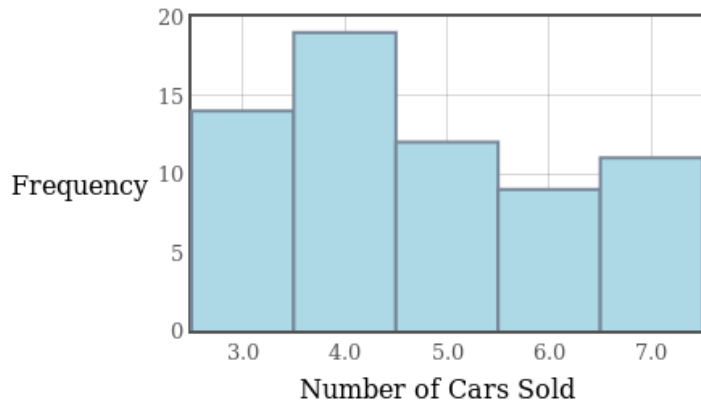H. Blue is the least popular color in Funkytown.

4. The National Survey of Student Engagement asked students at many universities, How would you evaluate your entire educational experience at this university? Here are the percents of senior-year students at Canadas 10 largest primarily English-speaking universities who responded Excellent:

Would it be appropriate to make a pie chart with the above data?

A. No, it would not be appropriate because the percentages don't add up to 100%;

B. Yes, it would be appropriate because all the data is contained in a single graph.
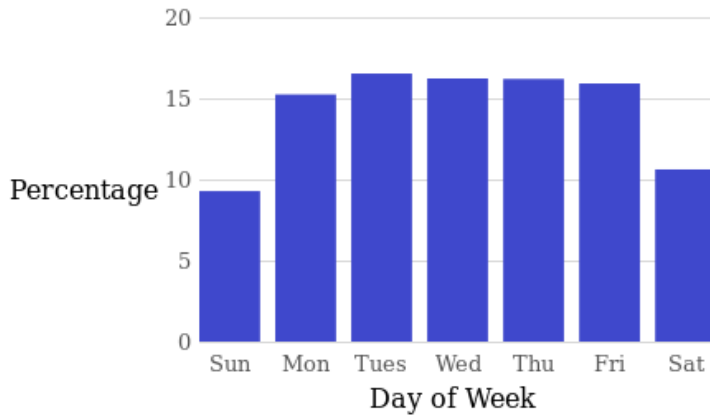
5. Sixty-five randomly selected car salespersons were asked the number of cars they generally sell in one week. Fourteen people answered that they generally sell three cars; nineteen generally sell four cars; twelve generally sell five cars; nine generally sell six cars; eleven generally sell seven cars. The data is summarized by the histogram below.

How many salespeople sold between 4 cars and 6 cars, inclusive?

A. 40 salespeople sold between 4 cars and 6 cars, inclusive.

B. 50 salespeople sold between 4 cars and 6 cars, inclusive.

C. 34 salespeople sold between 4 cars and 6 cars, inclusive.

D. 42 salespeople sold between 4 cars and 6 cars, inclusive.

E. 28 salespeople sold between 4 cars and 6 cars, inclusive.

F. 48 salespeople sold between 4 cars and 6 cars, inclusive.

G. 38 salespeople sold between 4 cars and 6 cars, inclusive.

H. 44 salespeople sold between 4 cars and 6 cars, inclusive.

6. Contrary to our intuition, births are not evenly distributed across the days of the week. The bar chart below gives the of percentage of babies born on each day of the week in 2008.

What percentage of babies were born between Sunday and Thusday, inclusive?

A. 78% of babies were born between Sunday and Thusday.

B. 33% of babies were born between Sunday and Thusday.

C. 48% of babies were born between Sunday and Thusday.

D. 73% of babies were born between Sunday and Thusday.

E. 63% of babies were born between Sunday and Thusday.

F. 38% of babies were born between Sunday and Thusday.

G. 108% of babies were born between Sunday and Thusday.
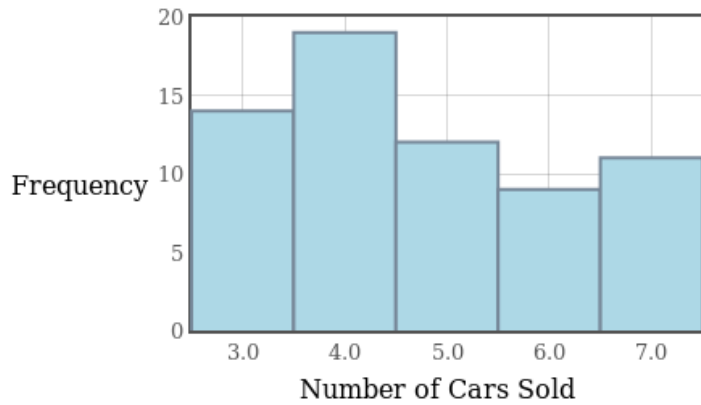
H. 68% of babies were born between Sunday and Thusday.

7. The miles per gallon rating for 30 cars are summarized below by a stem and leaf plot.

1	999
2	0115556689
3	11223456778888
4	133

What percentage of these cars get between 20 and 29 miles per gallon? (Round to the nearest percent.)

A. The percentage of these cars which get between 20 and 29 miles per gallon is 25%.

B. The percentage of these cars which get between 20 and 29 miles per gallon is 30%.

C. The percentage of these cars which get between 20 and 29 miles per gallon is 28%.

D. The percentage of these cars which get between 20 and 29 miles per gallon is 31%.

E. The percentage of these cars which get between 20 and 29 miles per gallon is 34%.

F. The percentage of these cars which get between 20 and 29 miles per gallon is 24%.

G. The percentage of these cars which get between 20 and 29 miles per gallon is 27%.

H. The percentage of these cars which get between 20 and 29 miles per gallon is 33%.

8. Sixty-five randomly selected car salespersons were asked the number of cars they generally sell in one week. Fourteen people answered that they generally sell three cars; nineteen generally sell four cars; twelve generally sell five cars; nine generally sell six cars; eleven generally sell seven cars. The data is summarized by the histogram below. Frequency

How many salespeople sold 6 cars or less?

A. 62 salespeople sold 6 cars or less.

B. 60 salespeople sold 6 cars or less.

C. 58 salespeople sold 6 cars or less.

D. 64 salespeople sold 6 cars or less.

E. 44 salespeople sold 6 cars or less.

F. 52 salespeople sold 6 cars or less.

G. 54 salespeople sold 6 cars or less.

H. 56 salespeople sold 6 cars or less.