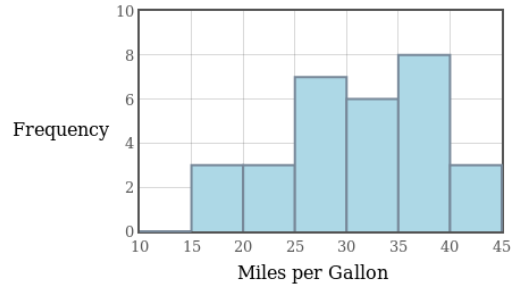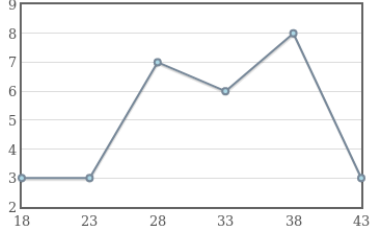1. The miles per gallon rating for 30 cars are shown in the histogram below.
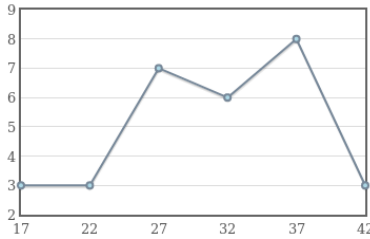


Which of the following graphs below is the corresponding frequency polygon for the above histogram?
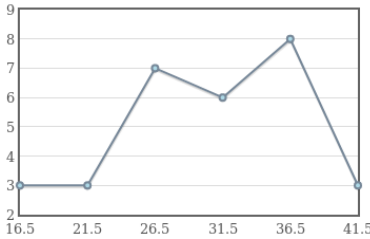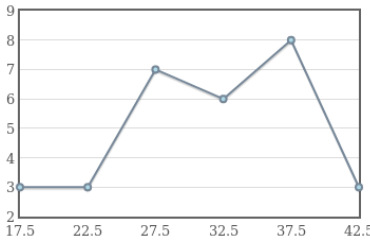
A.



B.



C.



D.

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



Yearly Portfolio Return

Approximately what percentage of portfolios saw a return between -40% and -10%?

A. The percentage of portfolios which saw a return between -40% and -10% is 83%.

B. The percentage of portfolios which saw a return between -40% and -10% is 58%.

C. The percentage of portfolios which saw a return between -40% and -10% is 93%.

D. The percentage of portfolios which saw a return between -40% and -10% is 88%.

E. The percentage of portfolios which saw a return between -40% and -10% is 78%.

F. The percentage of portfolios which saw a return between -40% and -10% is 63%.

G. The percentage of portfolios which saw a return between -40% and -10% is 68%.

H. The percentage of portfolios which saw a return between -40% and -10% is 53%.

3. 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.
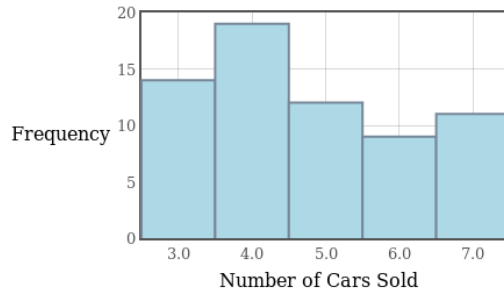


How many salespeople sold between 4 cars and 5 cars, inclusive?

A. 41 salespeople sold between 4 cars and 5 cars, inclusive.

B. 21 salespeople sold between 4 cars and 5 cars, inclusive.

C. 37 salespeople sold between 4 cars and 5 cars, inclusive.

D. 23 salespeople sold between 4 cars and 5 cars, inclusive.

E. 31 salespeople sold between 4 cars and 5 cars, inclusive.

F. 39 salespeople sold between 4 cars and 5 cars, inclusive.

G. 29 salespeople sold between 4 cars and 5 cars, inclusive.

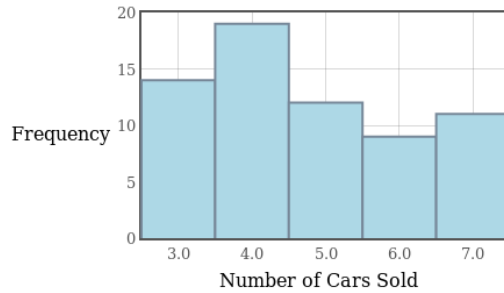H. 43 salespeople sold between 4 cars and 5 cars, inclusive.

4. 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 4 cars or more?

A. 51 salespeople sold 4 cars or more.

B. 45 salespeople sold 4 cars or more.

C. 61 salespeople sold 4 cars or more.

D. 63 salespeople sold 4 cars or more.

E. 47 salespeople sold 4 cars or more.

F. 53 salespeople sold 4 cars or more.

G. 43 salespeople sold 4 cars or more.
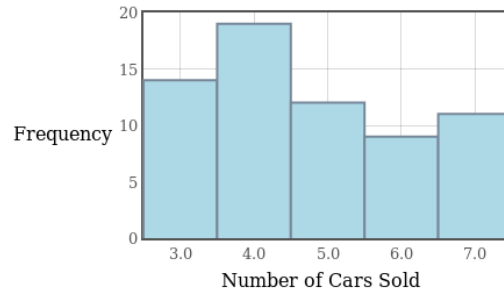
H. 49 salespeople sold 4 cars or more.

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 4 cars or less?

A. 41 salespeople sold 4 cars or less.

B. 21 salespeople sold 4 cars or less.

C. 39 salespeople sold 4 cars or less.

D. 31 salespeople sold 4 cars or less.

E. 25 salespeople sold 4 cars or less.

F. 33 salespeople sold 4 cars or less.

G. 37 salespeople sold 4 cars or less.

H. 35 salespeople sold 4 cars or less.

6. The miles per gallon rating for 30 cars are shown in the histogram below.
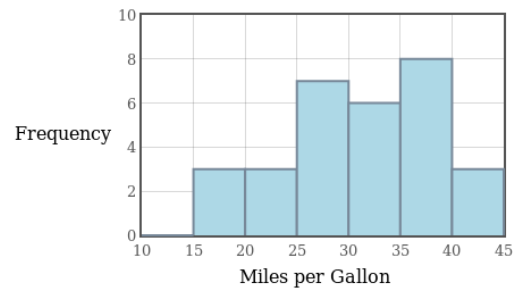


What percentage of cars got 25 miles per gallon or less?

A. 23% of cars got 25 miles per gallon or less.

B. 40% of cars got 25 miles per gallon or less.

C. 50% of cars got 25 miles per gallon or less.

D. 7% of cars got 25 miles per gallon or less.

E. 20% of cars got 25 miles per gallon or less.

F. 3% of cars got 25 miles per gallon or less.

G. -3% of cars got 25 miles per gallon or less.

H. 33% of cars got 25 miles per gallon or less.

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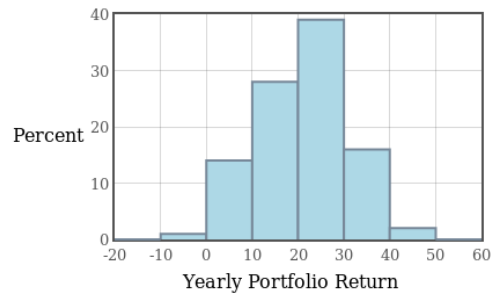


Approximately what percentage of portfolios saw a return of 40% or less?

A. The percentage of portfolios which saw a return of 40% and or less is 88%.

B. The percentage of portfolios which saw a return of 40% and or less is 73%.

C. The percentage of portfolios which saw a return of 40% and or less is 78%.

D. The percentage of portfolios which saw a return of 40% and or less is 108%.

E. The percentage of portfolios which saw a return of 40% and or less is 98%.

F. The percentage of portfolios which saw a return of 40% and or less is 113%.

G. The percentage of portfolios which saw a return of 40% and or less is 103%.

H. The percentage of portfolios which saw a return of 40% and or less is 83%.

8. 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.
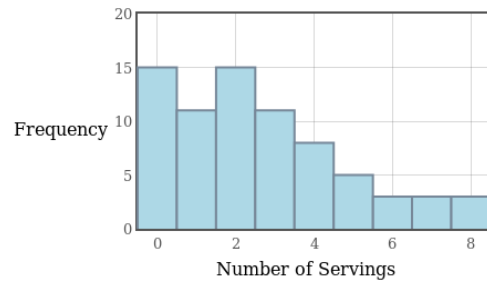


How many girls ate 7 servings or more?

A. 16 girls ate 7 servings or more.

B. -6 girls ate 7 servings or more.

C. -4 girls ate 7 servings or more.

D. 18 girls ate 7 servings or more.

E. 6 girls ate 7 servings or more.

F. 14 girls ate 7 servings or more.

G. 0 girls ate 7 servings or more.

H. 4 girls ate 7 servings or more.