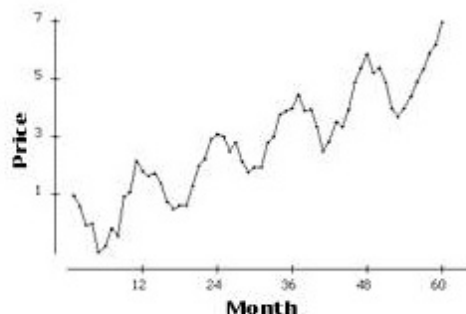


1. When ordering vinyl replacement windows, the following variables are specified for each window. Which of these variables is quantitative?

- A. Window style—double hung, casement, or awning
- B. Area of the window opening in square inches
- C. Window style—single pane or double pane

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2. Consider the following timeplot of the price of a commodity in dollars for each month of a 60-month period. Which of the following is true about the time plot?



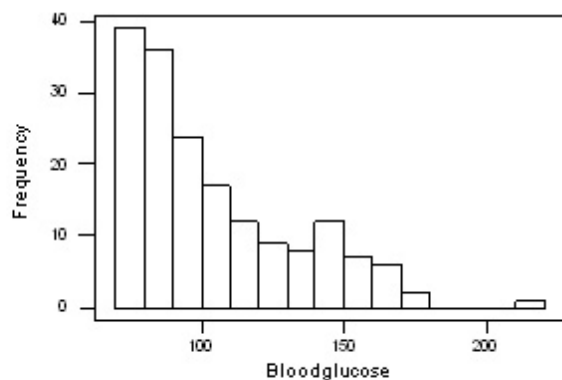
- A. The increase in the price of the commodity from month 1 to month 60 is \$7.
- B. The time plot displays a trend.
- C. Both of the above.

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3. A survey of college students collected information on several variables: Distance from Home, Age, Major, Gender, and Class. The variable Major is

- A. Quantitative.
- B. Categorical.
- C. Neither categorical nor numeric.

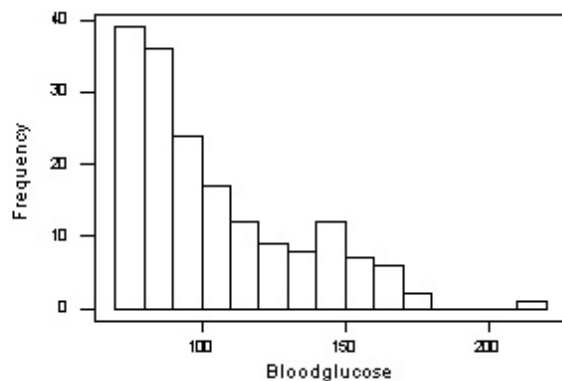
4. High levels of glucose in the blood are indications of diabetes, which is becoming more prevalent in the United States. Diabetes can lead to many complications such as blindness and heart disease. A random sample of 180 individuals had their blood sugar level measured. The results are displayed in the graph.



The shape of the distribution of blood glucose levels is

- A. Unimodal, left skewed.
- B. Bimodal.
- C. Unimodal, right skewed.

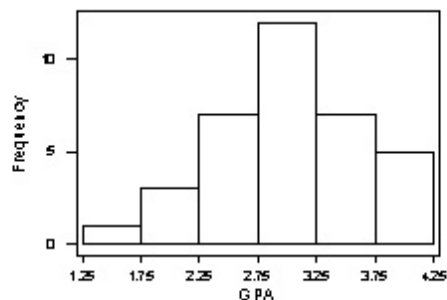
5. High levels of glucose in the blood are indications of diabetes, which is becoming more prevalent in the United States. Diabetes can lead to many complications such as blindness and heart disease. A random sample of 180 individuals had their blood sugar level measured. The results are displayed in the graph.



The center (middle) of this distribution is about

- A. 100
- B. 140
- C. 210

6. A Statistics professor asked her students on the first day of class to report their grade point averages (GPAs) as part of a class survey. For those students who knew their GPA, a histogram is



The shape of the histogram is

- A. Left skewed.
- B. Symmetric.
- C. Right skewed.

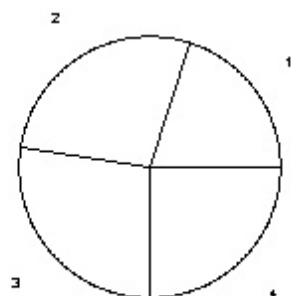
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7. An instructor asked students to name their favorite color. An appropriate graph to display the data is a

- A. Histogram.
- B. Pie chart.
- C. Time plot.

8. An instructor asked her students what their class standing was. The data are displayed in a pie chart, where 1 = freshman, 2 = sophomore, etc.

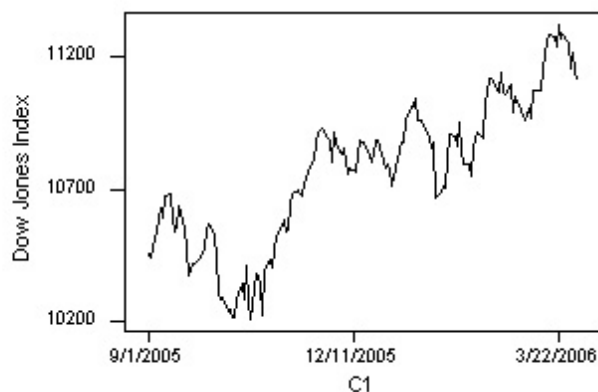
Pie Chart of Class



Sophomores and juniors make up about what percent of the class?

- A. 33%
- B. 40%
- C. 60%

9. Data for daily values of the Dow Jones Industrials stock market average for the last part of 2005 and the first part of 2006 are displayed in a time plot below.

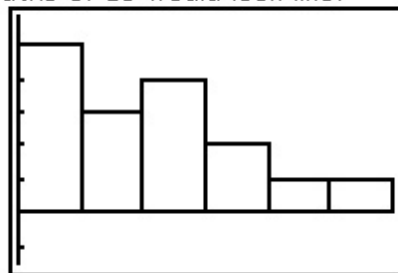


This plot shows

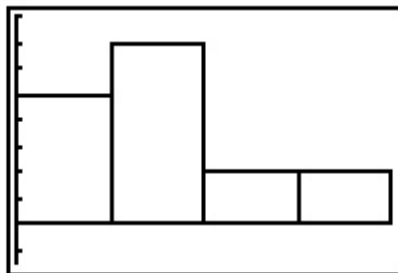
- A. a trend.
- B. cycles.
- C. both a trend and cycles.

10. A statistics teacher asks her students how many hours, on average, they spend working for pay each week. The responses are: 21, 30, 0, 0, 15, 0, 15, 12, 10, 32.5, 0, 15, 10, 15, 5, and 25. A histogram starting at 0 hours and using bar widths of 10 would look like:

A.



B.



C.

