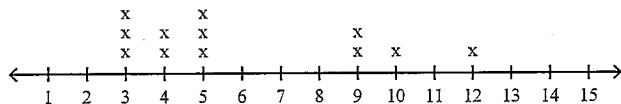


Name: \_\_\_\_\_ Period: \_\_\_\_\_

## Data Analysis Test Review

### Short Answer

- Find the mean, median, mode, and range of the data set 19, 10, 20, 2, 1, 16, 10. If necessary, round your answers to the nearest tenth.  
mean: \_\_\_\_\_ median: \_\_\_\_\_ mode: \_\_\_\_\_  
range: \_\_\_\_\_
- Find the mean, median, mode, and range of the data set 3, 20, 13, 6, 5, 1, 20. If necessary, round your answers to the nearest tenth.  
mean: \_\_\_\_\_ median: \_\_\_\_\_ mode: \_\_\_\_\_  
range: \_\_\_\_\_
- Circle the outlier in the data set 7, 18, 8, 6, 12, 104, 3. Then, find the mean, median, mode, & range of the data. If necessary, round your answers to the nearest tenth.  
mean: \_\_\_\_\_ median: \_\_\_\_\_ mode: \_\_\_\_\_  
range: \_\_\_\_\_
- The line plot shows the number of books 12 students read in Ms. Zuber's book club during the summer. Find the mean, median, mode and range of the data.  
Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_ Range: \_\_\_\_\_

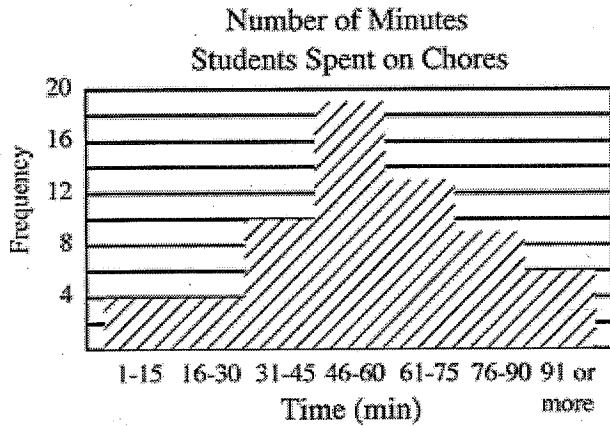


- The stem-and-leaf plot shows the number of cans of food collected by various students for a food drive. How many students collected 48 cans or fewer? \_\_\_\_\_  
Number of Cans Collected  
3 | 0 0 2 3 6 9  
4 | 0 0 3 6 6 7 8  
5 | 0 3 5 6  
Key: 1 | 0 = 10
- The stem-and-leaf plot shows the number of hours per semester that students in certain school club watch television. How many students watched more than 47 hours of television? \_\_\_\_\_

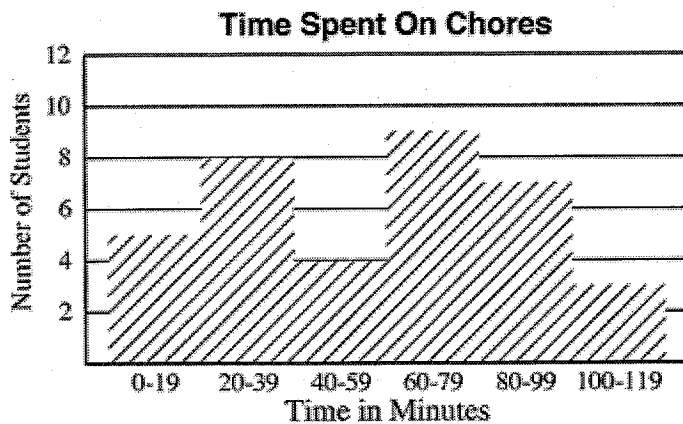
3 | 0 1 2 2 3 6  
4 | 0 2 2 3  
5 | 0 1 4 7 9

Key: 3|4 = 34

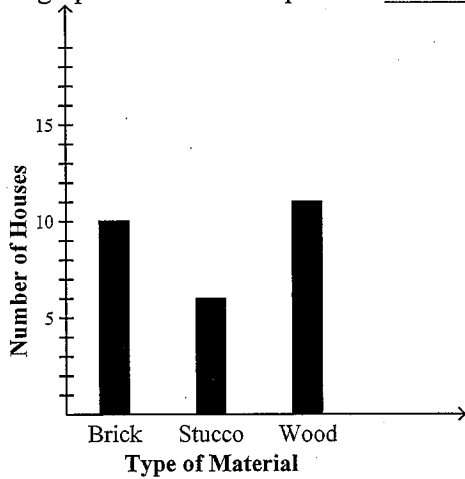
7. The histogram shows the number of minutes students at Montrose Junior High typically spend on household chores each day. **ANSWER ALL OF THE FOLLOWING:**
- How many minutes are included in each interval? \_\_\_\_\_
  - About how many students spend 91 or more minutes on chores? \_\_\_\_\_
  - Is the number of students who spend more than one hour on chores *greater than, equal to, or less than* the number of students who spend less than one hour on chores? \_\_\_\_\_



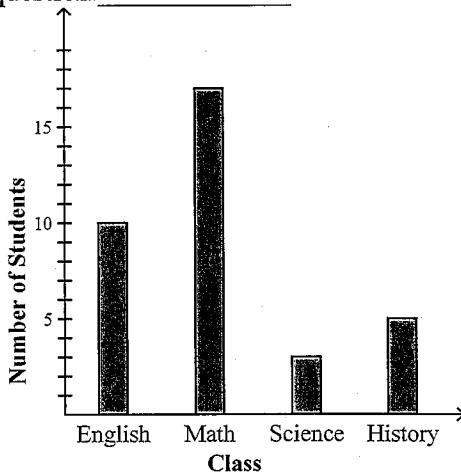
8. The histogram shows the number of minutes students at Montrose Junior High typically spend on household chores each day. About how many students spend 0-19 minutes on chores? \_\_\_\_\_



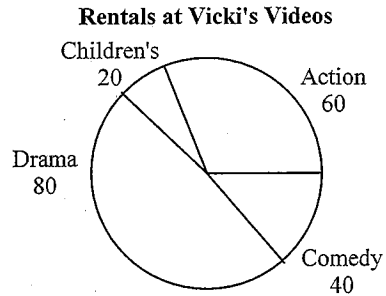
9. The bar graph shows the number of brick, stucco, and wood houses are on one street. How many houses on the street are made of stucco? Use the bar graph to answer the question. \_\_\_\_\_



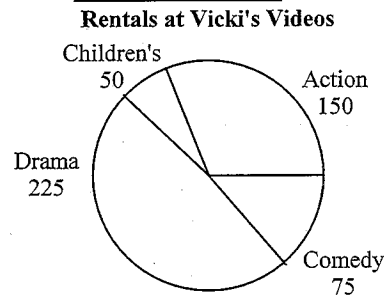
10. A teacher surveys all of the students in the school to find out each student's favorite class. The bar graph shows the results of his survey. How many more students prefer Math than prefer History? Use the bar graph to answer the question. \_\_\_\_\_



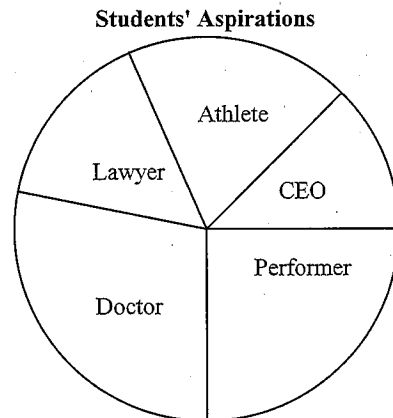
11. The circle graph compares the number of videos of each type. Which type of video was rented most often? Use the circle graph to answer the question. \_\_\_\_\_



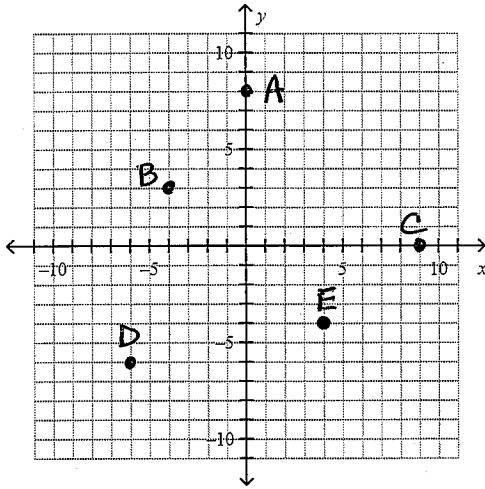
12. The circle graph compares the number of videos of each type. What percent of the movies rented were comedy movies? Use the circle graph to answer the question. \_\_\_\_\_



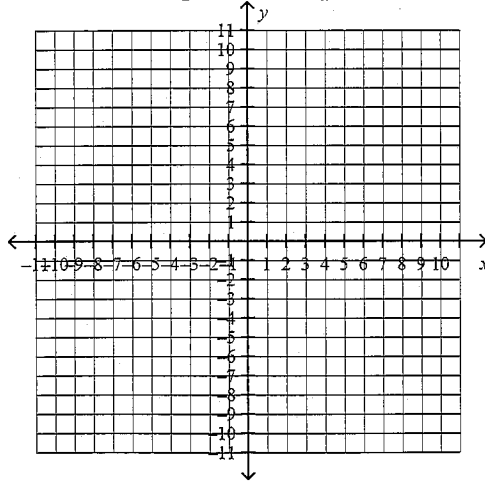
13. Approximately what percent of students aspire to be either a performer or a CEO? \_\_\_\_\_



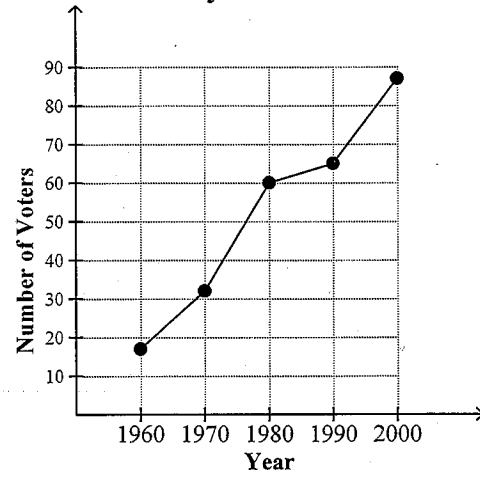
14. Give the coordinates of the points A, B, C, D, and E.. A( , ), B( , ), C( , ), D( , ), E( , )



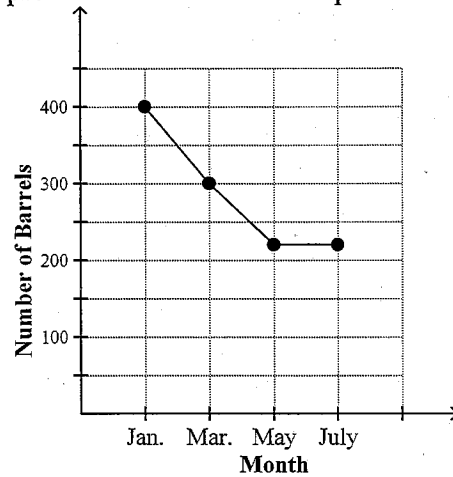
15. The coordinates of three vertices of a rectangle are  $A(1, -5)$ ,  $B(1, 3)$ , and  $C(10, 3)$ . Find the coordinates of the fourth vertex  $D$ . You may use the coordinate plane to help you .



16. The town of Tinyville has been tracking the number of people who voted in the general election since 1960. The graph represents the data collected. Use the graph to estimate the number of people who voted in the year 1965.



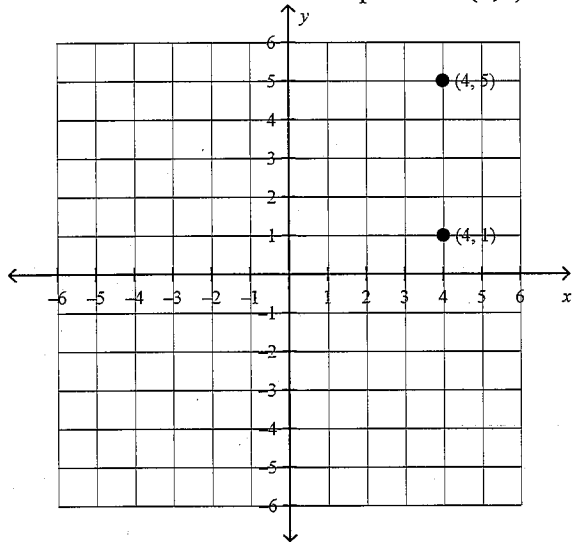
17. An oil well has been producing oil for a number of years and is nearing the end of its productivity. The line graph shows the number of barrels of oil produced every other month. Use the graph to estimate the number of barrels of oil that the well produced in the month of April.



**Multiple Response**

Identify one or more choices that best complete the statement or answer the question.

18. What is the distance between points at  $(4,5)$  and  $(4,1)$ ?



- a. 2
- b. 3

- c. 4
- d. 5