Name: _____ **Period:** _____

Data Analysis Quiz Review

Short Answer

1. Find the mean, median, mode, and range of the data set 19, 7, 16, 2, 10, 6, 7. If necessary, round your answers to the nearest tenth.
mean:_____ median:_____ mode:_____
range:_____

2. Find the mean, median, mode, and range of the data set 16, 12, 3, 6, 19, 11, 12. If necessary, round your answers to the nearest tenth.
mean:_____ median:_____ mode:_____
range:_____

3. Identify the outlier in the data set 6, 9, 3, 2, 10, 138, 13. Then, find the mean and median with and without the outlier. If necessary, round your answers to the nearest tenth.
mean:_____ median:_____ mode:_____
range:_____

4. Find the mean, the median, the mode, and the range of the data in the stem-and-leaf plot below.

```
1 │ 2 3 6 7
2 │ 1 3 5
3 │ 3 5 5 7 8 9
```
Key: 2|3 = 23

mean:_____ median_____ mode:_____
range:_____

5. The stem-and-leaf plot shows the number of toys collected by various schools for a children's center. What is the greatest number of toys collected?_____
Number of Toys Collected

```
3 │ 0  1  3  3
4 │ 0  1  1  3  3
5 │ 0  0  0  0  2  4  7
```
Key: 1 | 0 = 10

6. The stem-and-leaf plot below shows the number of calendars each student sold to raise money for the school band. How many students sold more than 7 calendars?_____
Number of Calendars Sold

```
0 │ 4  7  8  9
1 │ 0  2  6  7  9
2 │ 7  8
```
Key: 1 | 0 = 10

7. 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 41 hours of television?_____
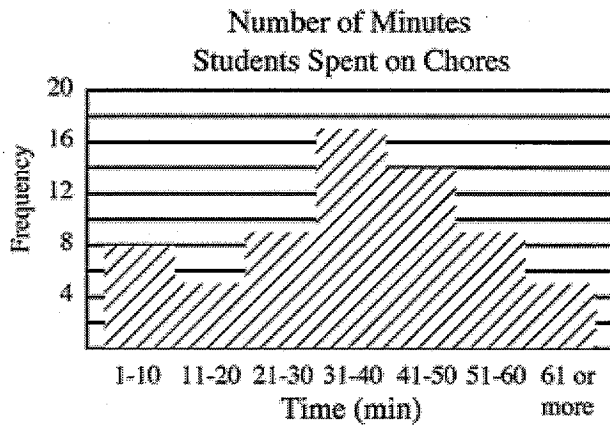
```
3 | 0   3   6   7   9   9
4 | 0   3   5   5
5 | 0   1   1   1   3
```
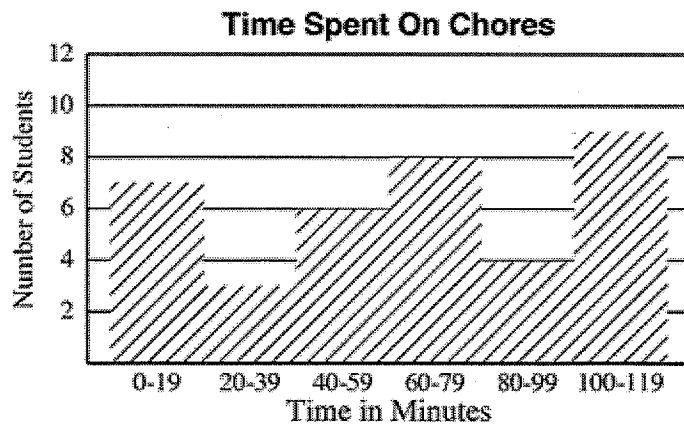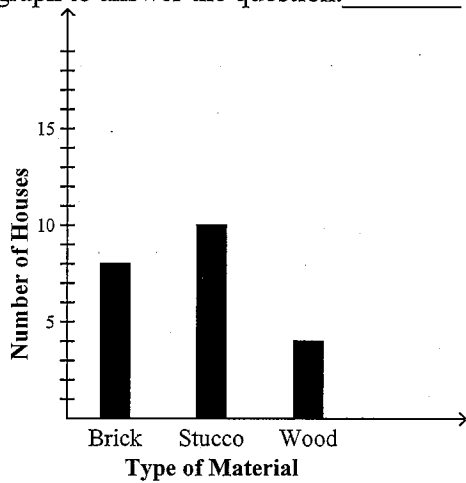
Key: 3|4 = 34

8. The histogram shows the number of minutes students at Montrose Junior High typically spend on household
chores each day. **ANSWER ALL OF THE FOLLOWING:**
a. How many minutes are included in each interval?_____
b. About how many students spend 51-60 minutes on chores?_____
c. Is the number of students who spend more than one half hour on chores *greater than*, *equal to*, or *less than* the
number of students who spend less than one half hour on chores?_____
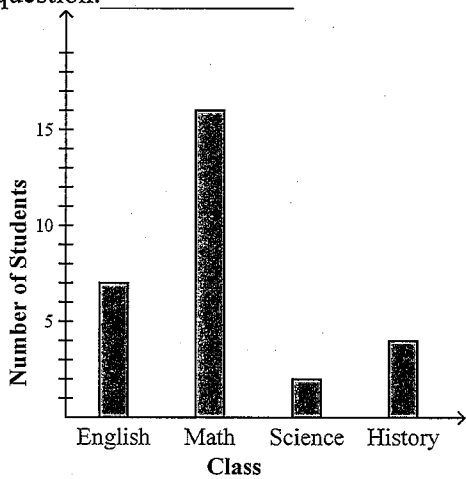
Number of Minutes
Students Spent on Chores

9. The histogram shows the number of minutes students at Montrose Junior High typically spend on household
chores each day. About how many students spend 20-39 minutes on chores?_____
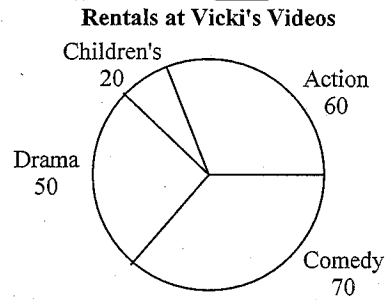
10. The bar graph shows the number of brick, stucco, and wood houses are on one street. How many houses on the street are made of brick? Use the bar graph to answer the question._____
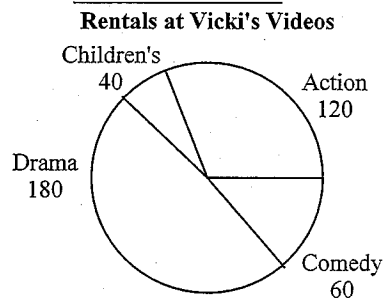

Type of Material

11. 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 Science? Use the bar graph to answer the question._____

Class

12. 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._____

Rentals at Vicki's Videos

13. 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._____

Rentals at Vicki's Videos

14. Approximately what percent of students aspire to be either a doctor or an athlete?_____

Students' Aspirations

3