Frequency Table

Name_____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Construct the relative frequency distribution that corresponds to the given frequency distribution.

1) 1) _____

Incomes	Frequency
200–300	74
301–400	50
401–500	86
501–600	68
>600	20

Use the given data to construct a frequency distribution.

2) Lori asked 24 students how many hours they had spent doing homework during the previous week. The results are shown below. 2) _____

10 11 10 8 10 10 14 12 10 9 12 11
11 12 10 11 12 10 11 12 11 12 12 8

Construct a frequency table. Use 4 classes, a class width of 2 hours, and a lower limit of 8 for class 1.

Hours	Frequency

3) On a math test, the scores of 24 students were 3) _____

96 78 71 69 71 71 96 89 71 66 88 78
78 88 71 78 88 71 78 89 78 88 89 69

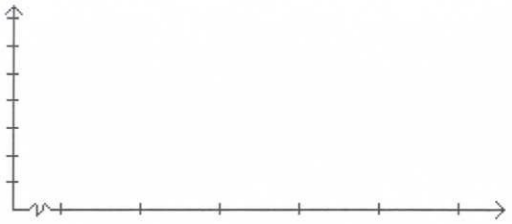
Construct a frequency table. Use 4 classes beginning with a lower class limit of 60.

Score	Frequency

Solve the problem.

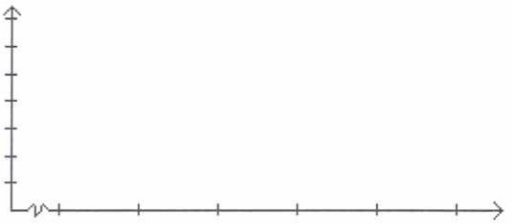
4) In a survey, 20 people were asked how many magazines they had purchased during the previous year. The results are shown below. Construct a histogram to represent the data. Use 4 classes with a class width of 10, and begin with a lower class limit of -0.5. What is the approximate amount at the center? 4) _____

6 15 3 36 25 18 12 18 5 30
24 7 0 22 33 24 19 4 12 9



5) In a survey, 26 voters were asked their ages. The results are shown below. Construct a histogram to represent the data (with 5 classes beginning with a lower class limit of 19.5 and a class width of 10). What is the approximate age at the center? 5) _____

43 56 28 63 67 66 52 48 37 51 40 60 62
66 45 21 35 49 32 53 61 53 69 31 48 59



Answer Key
Testname: FREQUENCY TABLE.TST

1)

Incomes	Relative Frequency
200–300	24.83%
301–400	16.78%
401–500	28.86%
501–600	22.82%
>600	6.71%

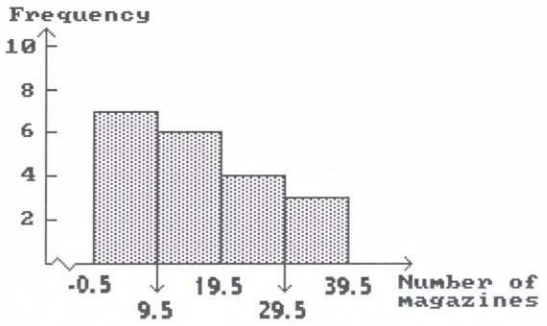
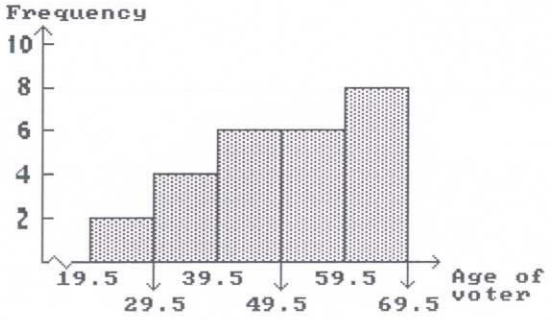
2)

Hours	Frequency
8 – 9	3
10 – 11	13
12 – 13	7
14 – 15	1

3)

Score	Frequency
60 – 69	3
70 – 79	12
80 – 89	7
90 – 99	2

4) The approximate amount at the center is 16 magazines.



5) The approximate age at the center is 50.