

Name: _____

Frequency Distribution of Grouped Data

- 1) The cumulative frequencies of each interval have been given. Use this information to complete the frequency column.

Interval	Frequency	Cumulative Frequency
13-16	8	8
17-20		16
21-24		57
25-28		123

- 2) The table shows the results of a survey about time spent on the internet each month. Which statement is NOT supported by the data in the table?

Time Spent on the Internet per Month		
Time (h)	Frequency	Cumulative Frequency
0-4	4	4
5-9	6	10
10-14	3	13
15-19	16	29
20-24	12	41
25-29	7	48
30-34	2	50

- 1) The interval of 30 to 34 h/mo has the lowest frequency.
- 2) More than half of those who responded spend more than 20 h/mo on the internet
- 3) Only four people responded that they spend less than 5 h/mo on the internet.
- 4) Sixteen people responded that they spend less than 20 h/mo on the internet.

- 3) The Olympic results for women’s weightlifting in the 48kg weight class are 210, 205, 200, 190, 187.5, 182.5, 180, 177.5, 175.5, 175, 172.5, 170, 167.5, and 165 measured in kilograms. Medals are awarded to the athletes who can lift the most weight.
- 1) Create a frequency table beginning at 160 and using intervals of 10 Kg.
 - 2) Tara Cunningham from the United State lifted 172.5 kg. did she win a medal? How do you know?
- 4) The fishing times of runner in a 5k race, to the nearest minute, are given. Use the data to make a frequency table with intervals.

Fishing Times in 5k Race (to the nearest minutes)							
19	25	23	29	32	30	21	22
24							
19	28	26	31	34	30	28	25
24							

- 5) The overall GPAs of several high school seniors are given. Use the data to make a frequency table with intervals.

Overall GPAs						
3.6	2.9	3.1	3.0	2.5	2.6	3.8
2.9						
2.2	2.9	3.1	3.3	3.6	3.0	2.3
2.8	2.9					

- 6) The following set of data represents the scores on a mathematics quiz:
- 58, 79, 81, 99, 68, 92, 76, 84, 53, 57,
- 81, 91, 77, 50, 65, 57, 51, 72, 84, 89

Complete the frequency table below

Mathematics Quiz Scores		
Interval	Tally	Frequency
50–59		
60–69		
70–79		
80–89		
90–99		