

Name:

Date:

Period:

1. Given the following weights of 30 students (in kg), complete the tables, then complete a, b, and c.

70, 43, 48, 72, 53, 81, 76, 54, 58, 64, 51, 53, 75, 62, 84, 67, 72, 80, 88, 65, 60, 43, 53, 42, 57, 61, 55, 75, 82, 71

Weights	Tally	Frequency
40 – 49		
50 – 59		
60 – 69		
70 – 79		
80 – 89		

Weights	Cumulative Frequency
40 – 49	
40 – 59	
40 – 69	
40 – 79	
40 - 89	

- (a) Create a frequency histogram AND a cumulative frequency histogram on graph paper.
- (b) Which interval has the greatest # of students?
- (c) How many students weigh less than 70 kg?

2. Complete the table given the heights, in inches, of 20 basketball players.

(a) Find the heights that is the lower quartile.

(b) Find the height that is the 90th percentile.

Height	Frequency	Cumulative Frequency
77	2	
76	1	
75	7	
74	5	
73	2	
72	2	
71	1	

3. In what interval is the lower quartile found?

Interval	Frequency
41 - 50	4
31 - 40	3
21 - 30	6
11 - 20	7
1 - 10	4

4. Complete the cumulative frequency table.

Test Scores	Frequency
91 – 100	45
81 – 90	60
71 – 80	75
61 – 70	40
51 - 60	20

Intervals	Cumulative Frequency
51 - 100	
51 - 90	
51 - 80	
51 - 70	
51 - 60	

- (a) Create a histogram AND a cumulative frequency histogram on graph paper.
- (b) What is the total frequency? We could say that _____ is 100% of the population.
- (c) What % of the students scored 70 or less on the test? _____

5. Below is a table showing the math test scores for Mr. Jazzy's class.

Interval (Test Scores)	Cumulative Frequency (Number)
60 – 100	101
60 – 95	100
60 – 90	69
60 – 85	35
60 – 80	20
60 – 75	8
60 – 70	5
60 - 65	2

- (a) How many students in Mr. Jazzy's class scored greater than an 85?
- (b) How many students scored at least a 66, but no more than an 85?