

Name: _____

Date: _____

QUIZ – FREQUENCY DIAGRAMS

1. (75%) A group of students obtained the following grades:

77, 55, 79, 89, 66, 64, 76, 72, 95, 64, 53, 68, 83, 94, 79, 63

Grade	M	fi	Fi	Fi%
51 – 60				
Total				

- a. (5%) This data is Discrete / Continuous (circle the right answer)
b. (25%) Fill the table with appropriate data.
c. (5%) Write down the modal group: _____
d. (5%) Organize the data in an increasing order:

- e. (15%) Use the raw data (not the table) to find

b. (5%) Median = _____

c. (10%) Inter-quartile Range = _____

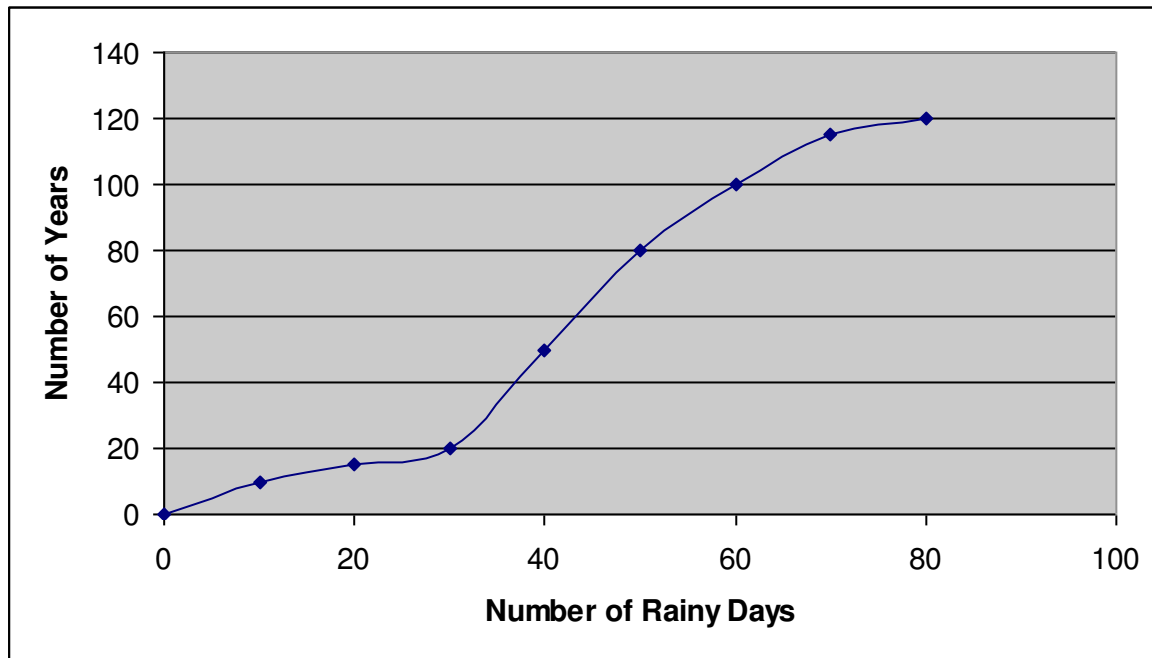
- f. (15%) Introduce into your GDC the relevant 2 columns from the table to find:

b. (5%) Median = _____

c. (10%) Inter-quartile Range = _____

- g. (5%) As you can see we can obtain the different statistical parameters in different methods (grouping data and without grouping it), comment on the advantages and disadvantages of each method:

2. (25%) Given the following cumulative frequency graph the number of rainy days in a study of 80 different years.



Find

- (5%) The first Quartile: _____
- (5%) The median: _____
- (5%) The Inter-quartile Range: _____
- (5%) Percentile 40: _____
- (5%) The number of years with more than 60 rainy days: _____