

Name: _____

Frequency Distribution of Grouped Data

Exercise 1: The following data represent the number of the daily sold pizzas, in a restaurant, at a breakfast hour and during 40 days:

44	51	51	53	50	52	44	55
54	52	50	44	37	50	49	55
52	57	49	53	51	55	46	49
45	43	54	53	53	51	54	45
43	53	49	48	51	52	44	45

- 1) Arrange the data in increasing order and construct an ungrouped frequency distribution table
- 2) Group these data in classes of amplitude 5 starting from 35-40

Exercise 2: The following table gives the weight, in kg, of 40 students chosen randomly among the students of a secondary school:

69	71	52	55	58	62	58	67
82	71	75	85	75	82	62	72
72	85	92	75	85	58	72	79
72	72	79	79	79	58	69	62
79	79	69	85	79	85	67	71

- a) Group the data in classes of amplitude 5 starting from 50
 - i) What is the percentage of students whose weight is above 70 kg?
 - ii) What is the number of students whose weight is less than 65 kg?
 - iii) What is the number of students whose weight is between 65kg and 85kg?

- b) Regroup the data in classes of amplitude 7 starting from 50
 - i) What is the percentage of students whose weight is above 71 kg?
 - ii) What is the number of students whose weight is less than 64 kg?
 - iii) What is the number of students whose weight is between 64kg and 71kg?