

Name: _____

Frequency Distribution of Ungrouped Data

Exercise 1: Using the key: **S** = Swimming, **B** = Basketball, **F** = Football, each letter below indicates a student joining the sports club.

S S B F B S F F S B B S F F S B B S F F S B S F S F B S B F B
 B B S F S S F B S B S F S F B S B S F S F B S B S F S S B

- Construct a frequency table for the data
- Determine which club has the highest frequency and which club has the least frequency.
- Calculate the percentage of students who joined the Swimming club.

Exercise 2: Suppose we ask 23 students how many music CDs they own. Present the following data in a frequency distribution:

44, 45, 45, 44, 44, 43, 43, 45, 45, 46, 46, 46, 46, 44, 44, 44, 44, 43, 43, 43, 43, 45, 45, 45

Exercise 3: Given below the number of tools produced by workers in a factory.

13	13	15	13	13	14	16	15	15	17
16	14	15	17	15	16	17	14	14	17
13	17	16	16	17	16	13	15	14	17
16	17	13	13	14	13	14	17	17	16
15	15	17	15	17	17	17	16	14	14

- Construct frequency distribution with inclusive type of class interval.
- How many workers produced more than 38 tools?
- How many workers produced less than 23 tools?

Exercise 4: In a survey of 40 families in a village, the number of children per family was recorded and the following data was obtained:

1	0	3	2	1	5	6	2
2	1	0	3	4	2	1	6
3	2	1	5	3	3	2	4
2	2	3	0	2	1	4	5
3	3	4	4	1	2	4	5

Represent the data in the form of an ungrouped frequency distribution table.