

**Riviera International Academy**

**Assignment-2077**

**(Ashad 01, 2077, Monday)**

**Class: Eight**

**Subject- Mathematics**

Source: Photos of exercise are already given in messenger.

Homework: Read & write all definitions.

**Subject- Opt. Mathematics**

1. The age of 20 students of class viii are given below. Prepare a cumulative frequency table from the given data.

12, 14, 13, 12, 14, 14, 15, 14, 13, 12,  
13, 14, 15, 14, 15, 13, 14, 15, 14, 13

2. The weights (in kilograms) of 25 students are given as follows.

35, 38, 36, 37, 38, 35, 37, 36, 35, 38, 36, 36, 37,  
35, 37, 36, 38, 37, 38, 36, 37, 38, 35, 36, 35.

construct a cumulative frequency table.

3. From the following data of the marks obtained by 40 students of class vii, construct a frequency distribution table taking the class interval of 10. Also find the cumulative frequency.

34, 37, 41, 42, 43, 44, 32, 48, 49, 51,  
55, 58, 62, 60, 61, 57, 40, 5, 7, 12,  
15, 22, 2, 17, 26, 29, 35, 48, 30, 15,  
36, 52, 53, 50, 53, 59, 61, 42, 67, 16

4. Construct a group frequency table in classes 0 - 5, 5 - 10 etc. from the following data.

19, 11, 7, 25, 18, 38, 31, 25, 33, 17, 5, 33, 11, 3, 39,  
33, 27, 18, 9, 12, 21, 24, 20, 12, 15, 9, 14, 9, 8, 38,  
7, 38, 36, 17, 22, 30, 39, 12, 5, 11

**Subject- Science**

1. What are sub-atomic particles? Write their names with respective charge.
2. Why nucleus of an atom is positively charged?
3. An atom is electrically neutral initially. Justify this statement with reason.
4. How can you prove that an element is pure matter? Explain.

**The End.**