

VIII - Mathematics Assignment No-04 - Data Handling. Pg-1

Q1. The marks obtained by 40 Students of class VIII in an examination are given below. Form a f.d.t taking one class interval as 10-15.

23, 2, 10, 20, 12, 09, 7, 0, 5, 3, 5, 16, 8, 5
 12, 18, 8, 12, 6, 16, 17, 18, 3, 23, 7, 13, 18, 10
 21, 13, 1, 07, 15, 13, 21, 24, 19, 16, 2, 23.

Q2. The Weights (in kg) of 35 persons are given below. Form a f.d.t. taking one class as 40-45 (45 not included)

48, 52, 55, 53, 42, 50, 58, 60, 53
 55, 56, 58, 48, 63, 40, 56, 60, 55
 53, 54, 62, 44, 50, 47, 40, 50, 48,
 52, 62, 54, 67, 45, 51, 46, 43.

Q3. Monthly pocket expenses of 30 Students of a class are given below. Construct a f.d.t. by taking one class interval as 25-35 (35 not included)

58, 45, 40, 38, 73, 35, 38, 72, 65, 54,
 80, 77, 39, 38, 40, 59, 27, 71, 38, 50,
 76, 60, 57, 83, 62, 80, 40, 42, 84, 44.

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Q4. Following is the f.d.t of 25 persons working in an office and answer the following questions.

Age (in yrs)	No. of persons
20 - 30	8
30 - 40	7
40 - 50	6
50 - 60	4

- (a) What is the class size?
- (b) What is the lower limit of class 30-40?
- (c) What is the upper limit of class 50-60?
- (d) What is the class mark of class 20-30?
- (e) What is the frequency of class 40-50?

Q5. A group of students spent the following minutes in doing their home-work. Prepare a f.d.t by choosing your own class interval
 50, 80, 90, 65, 40, 10, 50, 5, 90, 30, 35, 65, 75, 5, 85, 95, 60, 35, 75, 25, 75, 30, 75, 45, 45, 75, 20, 65, 15, 35, 35, 25, 45.

For Answers

Please see the next page 3.

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Answers

Q1.

Marks	Frequency
0 - 5	6
5 - 10	10
10 - 15	8
15 - 20	9
20 - 25	7
	<u>40</u>

Q2.

Wts (in kg)	Frequency
40 - 45	5
45 - 50	7
50 - 55	11
55 - 60	7
60 - 65	<u>5</u>
	<u>35</u>

Q3.

Expenses (in Rs)	Frequency
25 - 35	1
35 - 45	11
45 - 55	3
55 - 65	5
65 - 75	4
75 - 85	<u>6</u>
	<u>36</u>

- Q4. (a) 10 (d) 25
 (b) 30 (e) 6
 (c) 60