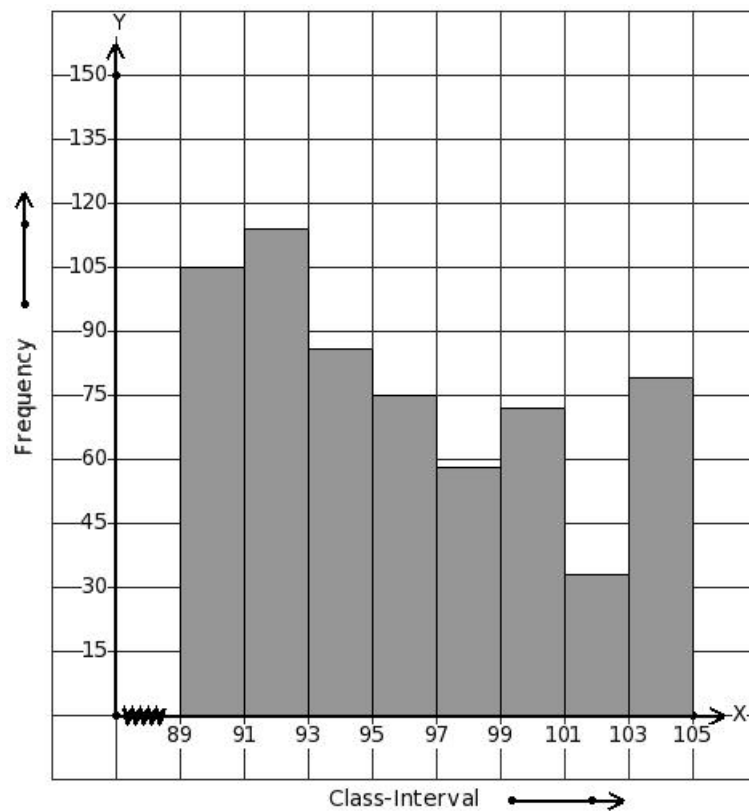


EduSahara™ Learning Center Assignment

Grade : Class VIII, SSC
 Chapter : Frequency Distribution Tables and Graphs
 Name : Histogram
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1. Identify the class interval table for the given histogram.

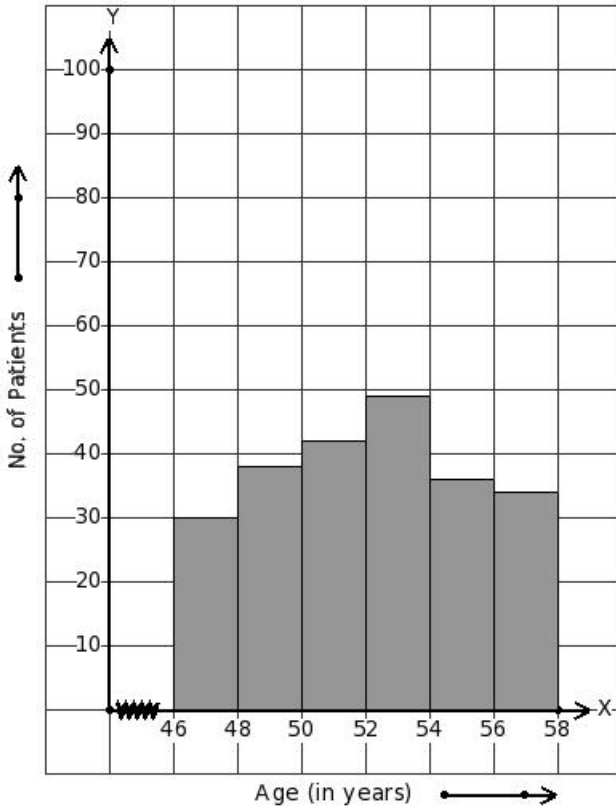


- (i)
- | Class-Interval | 89 - 91 | 91 - 93 | 93 - 95 | 95 - 97 | 97 - 99 | 99 - 101 | 101 - 103 | 103 - 105 |
|----------------|---------|---------|---------|---------|---------|----------|-----------|-----------|
| Frequency | 105 | 114 | 86 | 75 | 58 | 72 | 33 | 79 |
- (ii)
- | Class-Interval | 89 - 91 | 91 - 93 | 93 - 95 | 95 - 97 | 97 - 99 | 99 - 101 | 101 - 103 | 103 - 105 |
|----------------|---------|---------|---------|---------|---------|----------|-----------|-----------|
| Frequency | 105 | 114 | 86 | 75 | 63 | 72 | 33 | 79 |
- (iii)
- | Class-Interval | 89 - 91 | 91 - 93 | 93 - 95 | 95 - 97 | 97 - 99 | 99 - 101 | 101 - 103 | 103 - 105 |
|----------------|---------|---------|---------|---------|---------|----------|-----------|-----------|
| Frequency | 105 | 114 | 88 | 75 | 58 | 72 | 33 | 79 |
- (iv)
- | Class-Interval | 89 - 91 | 91 - 93 | 93 - 95 | 95 - 97 | 97 - 99 | 99 - 101 | 101 - 103 | 103 - 105 |
|----------------|---------|---------|---------|---------|---------|----------|-----------|-----------|
| Frequency | 105 | 79 | 86 | 75 | 58 | 72 | 33 | 114 |

(v)

Class-Interval	89 - 91	91 - 93	93 - 95	95 - 97	97 - 99	99 - 101	101 - 103	103 - 105
Frequency	105	114	75	86	58	72	33	79

2. In a study of heart patients, the following observations are obtained. Identify the class interval table for the given histogram.



(i)

Age (in years)	46 - 48	48 - 50	50 - 52	52 - 54	54 - 56	56 - 58
No. of Patients	30	42	38	49	36	34

(ii)

Age (in years)	46 - 48	48 - 50	50 - 52	52 - 54	54 - 56	56 - 58
No. of Patients	30	38	46	49	36	34

(iii)

Age (in years)	46 - 48	48 - 50	50 - 52	52 - 54	54 - 56	56 - 58
No. of Patients	30	38	42	45	36	34

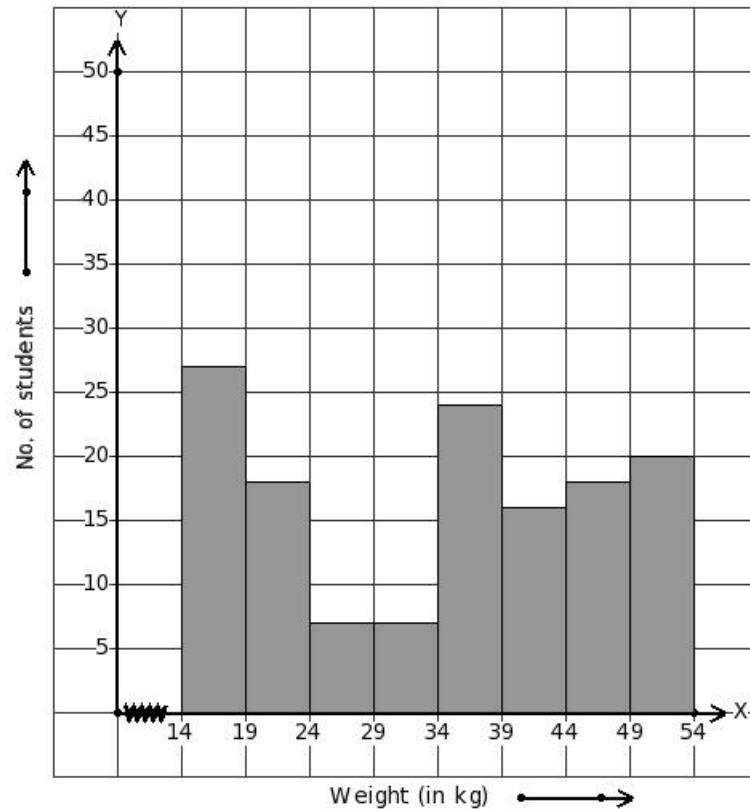
(iv)

Age (in years)	46 - 48	48 - 50	50 - 52	52 - 54	54 - 56	56 - 58
No. of Patients	30	34	42	49	36	38

(v)

Age (in years)	46 - 48	48 - 50	50 - 52	52 - 54	54 - 56	56 - 58
No. of Patients	30	38	42	49	36	34

3. Identify the class interval table for the given histogram.



(i)

Weight (in kg)	14 - 19	19 - 24	24 - 29	29 - 34	34 - 39	39 - 44	44 - 49	49 - 54
No. of students	27	20	7	7	24	16	18	18

(ii)

Weight (in kg)	14 - 19	19 - 24	24 - 29	29 - 34	34 - 39	39 - 44	44 - 49	49 - 54
No. of students	27	18	7	7	20	16	18	20

(iii)

Weight (in kg)	14 - 19	19 - 24	24 - 29	29 - 34	34 - 39	39 - 44	44 - 49	49 - 54
No. of students	27	18	7	7	24	16	18	20

(iv)

Weight (in kg)	14 - 19	19 - 24	24 - 29	29 - 34	34 - 39	39 - 44	44 - 49	49 - 54
No. of students	27	18	12	7	24	16	18	20

4. A histogram consists of

- (i) sectors (ii) squares (iii) triangles (iv) rectangles

5. The width of the rectangles in a histogram represents

- (i) frequency of the class (ii) class interval
(iii) number of classes (iv) mid values of the class

6. In a histogram

- (i) the lengths of all rectangles are equal
 - (ii) the lengths and widths of all rectangles are equal
 - (iii) the width of all rectangles are equal
 - (iv) the length and width of each rectangle are in proportion
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Assignment Key

- 1) (i)
- 2) (v)
- 3) (iii)
- 4) (iv)
- 5) (ii)
- 6) (iii)