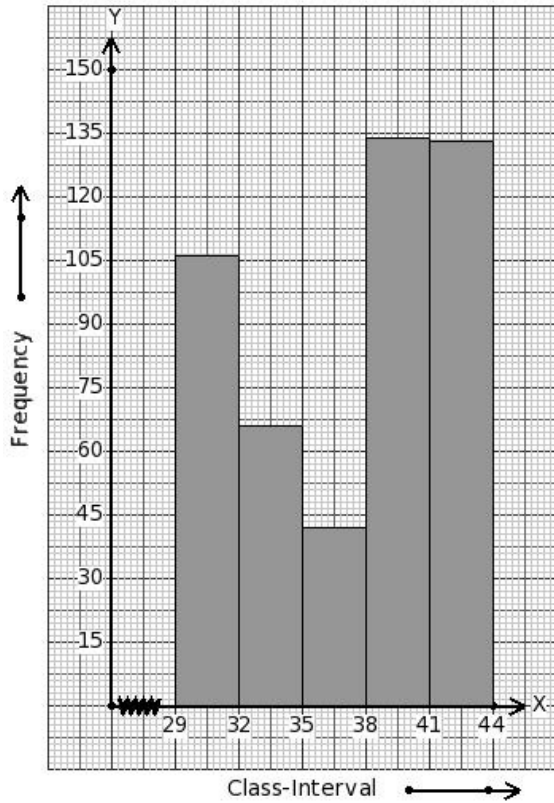




1. Identify the class interval table for the given histogram.



(i)

Class-Interval	29 - 32	32 - 35	35 - 38	38 - 41	41 - 44
Frequency	106	66	45	134	133

(ii)

Class-Interval	29 - 32	32 - 35	35 - 38	38 - 41	41 - 44
Frequency	106	42	66	134	133

(iii)

Class-Interval	29 - 32	32 - 35	35 - 38	38 - 41	41 - 44
Frequency	106	70	42	134	133

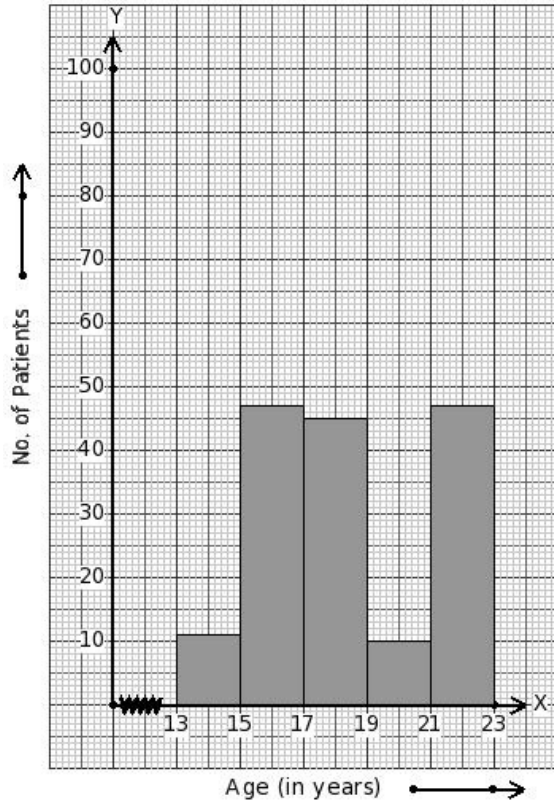
(iv)

Class-Interval	29 - 32	32 - 35	35 - 38	38 - 41	41 - 44
Frequency	106	133	42	134	66

(v)

Class-Interval	29 - 32	32 - 35	35 - 38	38 - 41	41 - 44
Frequency	106	66	42	134	133

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)	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of Patients	11	45	47	10	47

(ii)

Age (in years)	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of Patients	11	47	49	10	47

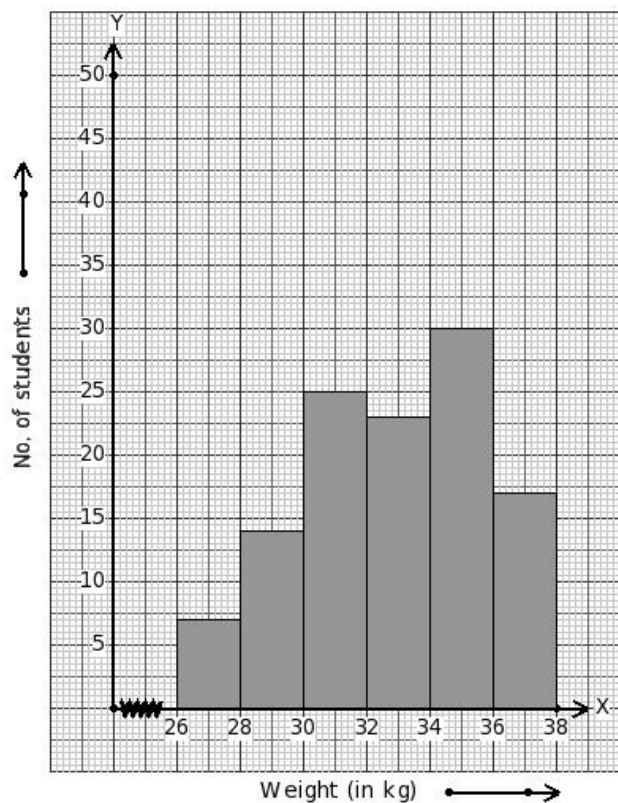
(iii)

Age (in years)	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of Patients	11	47	45	10	47

(iv)

Age (in years)	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of Patients	11	43	45	10	47

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



(i)

Weight (in kg)	26 - 28	28 - 30	30 - 32	32 - 34	34 - 36	36 - 38
No. of students	7	14	30	23	30	17

(ii)

Weight (in kg)	26 - 28	28 - 30	30 - 32	32 - 34	34 - 36	36 - 38
No. of students	7	14	25	26	30	17

(iii)

Weight (in kg)	26 - 28	28 - 30	30 - 32	32 - 34	34 - 36	36 - 38
No. of students	7	14	25	23	30	17

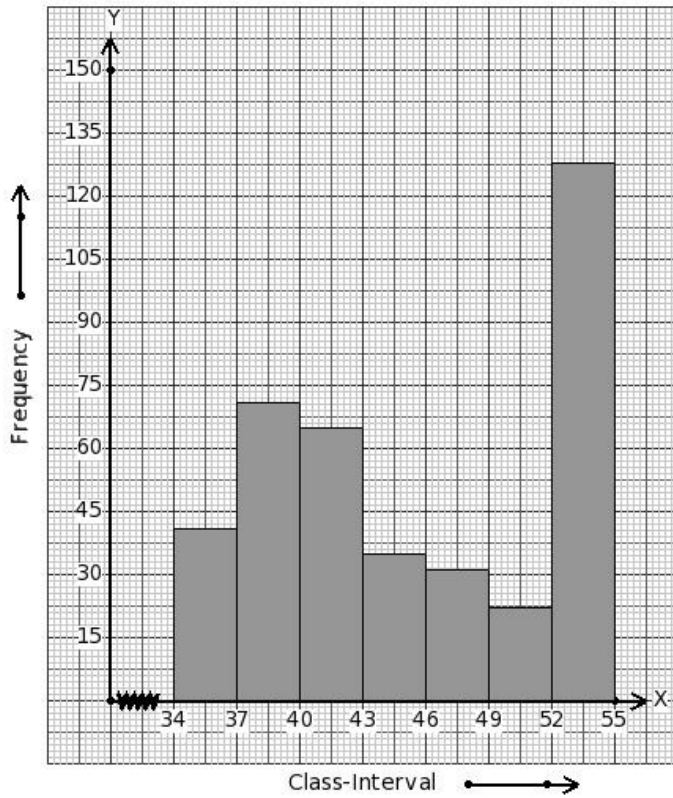
(iv)

Weight (in kg)	26 - 28	28 - 30	30 - 32	32 - 34	34 - 36	36 - 38
No. of students	7	17	25	23	30	14

(v)

Weight (in kg)	26 - 28	28 - 30	30 - 32	32 - 34	34 - 36	36 - 38
No. of students	7	25	14	23	30	17

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



(i)

Class-Interval	34 - 37	37 - 40	40 - 43	43 - 46	46 - 49	49 - 52	52 - 55
Frequency	41	128	65	35	31	22	71

(ii)

Class-Interval	34 - 37	37 - 40	40 - 43	43 - 46	46 - 49	49 - 52	52 - 55
Frequency	41	65	71	35	31	22	128

(iii)

Class-Interval	34 - 37	37 - 40	40 - 43	43 - 46	46 - 49	49 - 52	52 - 55
Frequency	41	71	65	33	31	22	128

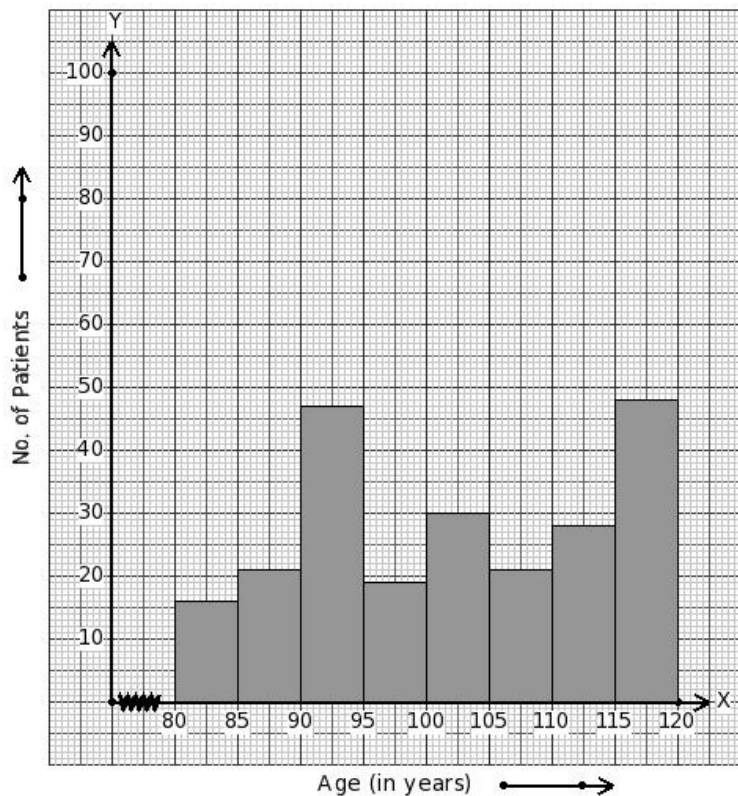
(iv)

Class-Interval	34 - 37	37 - 40	40 - 43	43 - 46	46 - 49	49 - 52	52 - 55
Frequency	41	71	61	35	31	22	128

(v)

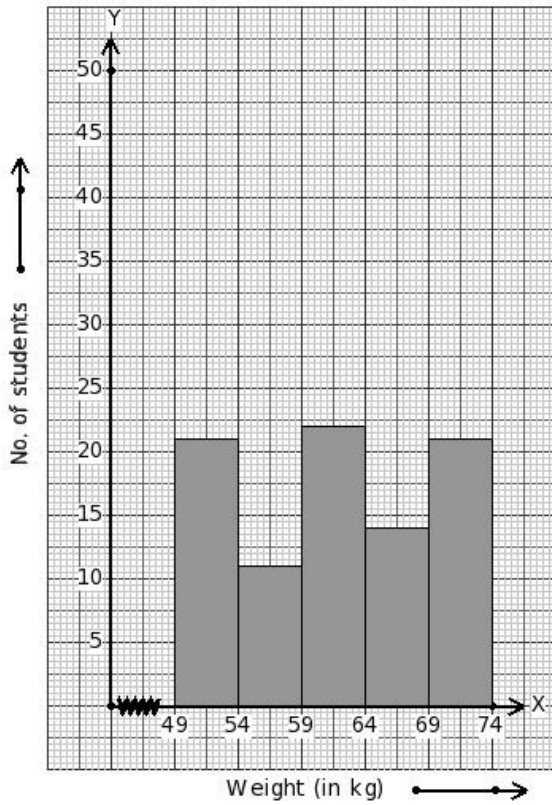
Class-Interval	34 - 37	37 - 40	40 - 43	43 - 46	46 - 49	49 - 52	52 - 55
Frequency	41	71	65	35	31	22	128

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



- (i)
- | Age (in years) | 80 - 85 | 85 - 90 | 90 - 95 | 95 - 100 | 100 - 105 | 105 - 110 | 110 - 115 | 115 - 120 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|
| No. of Patients | 16 | 21 | 19 | 47 | 30 | 21 | 28 | 48 |
- (ii)
- | Age (in years) | 80 - 85 | 85 - 90 | 90 - 95 | 95 - 100 | 100 - 105 | 105 - 110 | 110 - 115 | 115 - 120 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|
| No. of Patients | 16 | 21 | 49 | 19 | 30 | 21 | 28 | 48 |
- (iii)
- | Age (in years) | 80 - 85 | 85 - 90 | 90 - 95 | 95 - 100 | 100 - 105 | 105 - 110 | 110 - 115 | 115 - 120 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|
| No. of Patients | 16 | 21 | 47 | 19 | 30 | 21 | 28 | 48 |
- (iv)
- | Age (in years) | 80 - 85 | 85 - 90 | 90 - 95 | 95 - 100 | 100 - 105 | 105 - 110 | 110 - 115 | 115 - 120 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|
| No. of Patients | 16 | 21 | 47 | 19 | 26 | 21 | 28 | 48 |
- (v)
- | Age (in years) | 80 - 85 | 85 - 90 | 90 - 95 | 95 - 100 | 100 - 105 | 105 - 110 | 110 - 115 | 115 - 120 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|
| No. of Patients | 16 | 48 | 47 | 19 | 30 | 21 | 28 | 21 |

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



(i)

Weight (in kg)	49 - 54	54 - 59	59 - 64	64 - 69	69 - 74
No. of students	21	11	22	14	21

(ii)

Weight (in kg)	49 - 54	54 - 59	59 - 64	64 - 69	69 - 74
No. of students	21	22	11	14	21

(iii)

Weight (in kg)	49 - 54	54 - 59	59 - 64	64 - 69	69 - 74
No. of students	21	21	22	14	11

(iv)

Weight (in kg)	49 - 54	54 - 59	59 - 64	64 - 69	69 - 74
No. of students	21	11	27	14	21

(v)

Weight (in kg)	49 - 54	54 - 59	59 - 64	64 - 69	69 - 74
No. of students	21	13	22	14	21

7. A histogram consists of

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

8. The width of the rectangles in a histogram represents

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

9. In a histogram

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

Assignment Key

1) (v)

2) (iii)

3) (iii)

4) (v)

5) (iii)

6) (i)

7) (ii)

8) (iii)

9) (iii)