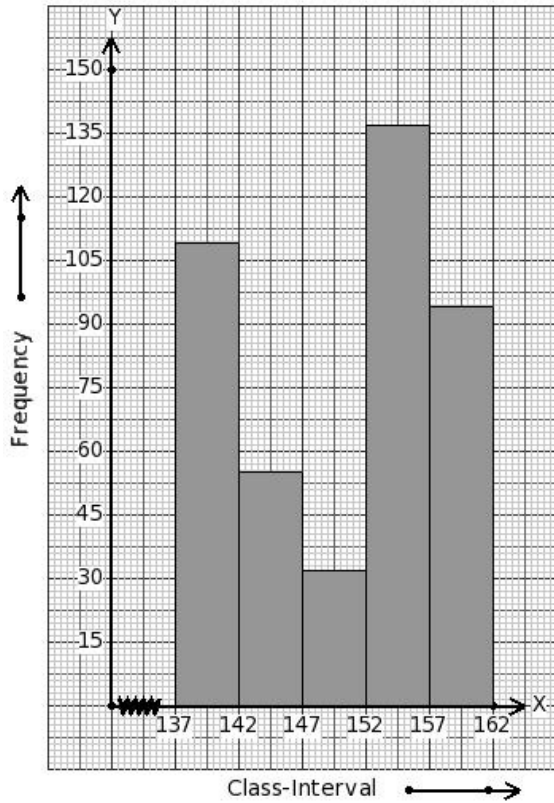




1. Identify the class interval table for the given histogram.



(i)

Class-Interval	137 - 142	142 - 147	147 - 152	152 - 157	157 - 162
Frequency	109	55	32	137	94

(ii)

Class-Interval	137 - 142	142 - 147	147 - 152	152 - 157	157 - 162
Frequency	109	32	55	137	94

(iii)

Class-Interval	137 - 142	142 - 147	147 - 152	152 - 157	157 - 162
Frequency	109	55	27	137	94

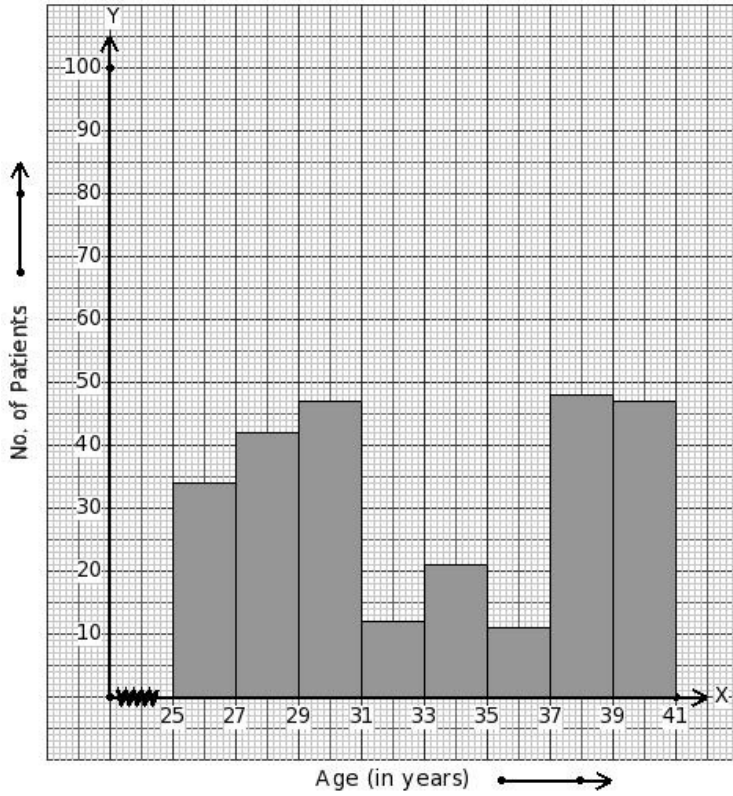
(iv)

Class-Interval	137 - 142	142 - 147	147 - 152	152 - 157	157 - 162
Frequency	109	52	32	137	94

(v)

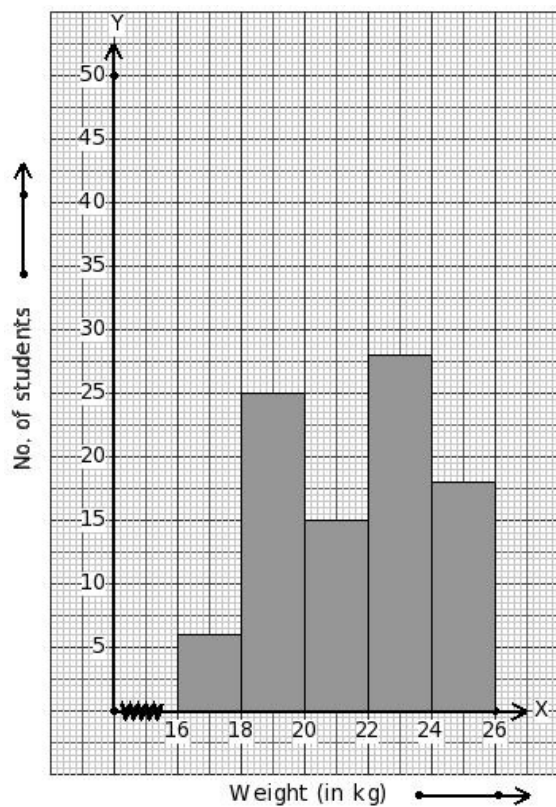
Class-Interval	137 - 142	142 - 147	147 - 152	152 - 157	157 - 162
Frequency	109	94	32	137	55

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) | 25 - 27 | 27 - 29 | 29 - 31 | 31 - 33 | 33 - 35 | 35 - 37 | 37 - 39 | 39 - 41 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of Patients | 34 | 47 | 47 | 12 | 21 | 11 | 48 | 42 |
- (ii)
- | Age (in years) | 25 - 27 | 27 - 29 | 29 - 31 | 31 - 33 | 33 - 35 | 35 - 37 | 37 - 39 | 39 - 41 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of Patients | 34 | 42 | 47 | 12 | 18 | 11 | 48 | 47 |
- (iii)
- | Age (in years) | 25 - 27 | 27 - 29 | 29 - 31 | 31 - 33 | 33 - 35 | 35 - 37 | 37 - 39 | 39 - 41 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of Patients | 34 | 42 | 47 | 12 | 21 | 11 | 48 | 47 |
- (iv)
- | Age (in years) | 25 - 27 | 27 - 29 | 29 - 31 | 31 - 33 | 33 - 35 | 35 - 37 | 37 - 39 | 39 - 41 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of Patients | 34 | 42 | 12 | 47 | 21 | 11 | 48 | 47 |
- (v)
- | Age (in years) | 25 - 27 | 27 - 29 | 29 - 31 | 31 - 33 | 33 - 35 | 35 - 37 | 37 - 39 | 39 - 41 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of Patients | 34 | 42 | 49 | 12 | 21 | 11 | 48 | 47 |

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



- (i)

Weight (in kg)	16 - 18	18 - 20	20 - 22	22 - 24	24 - 26
No. of students	6	15	25	28	18
- (ii)

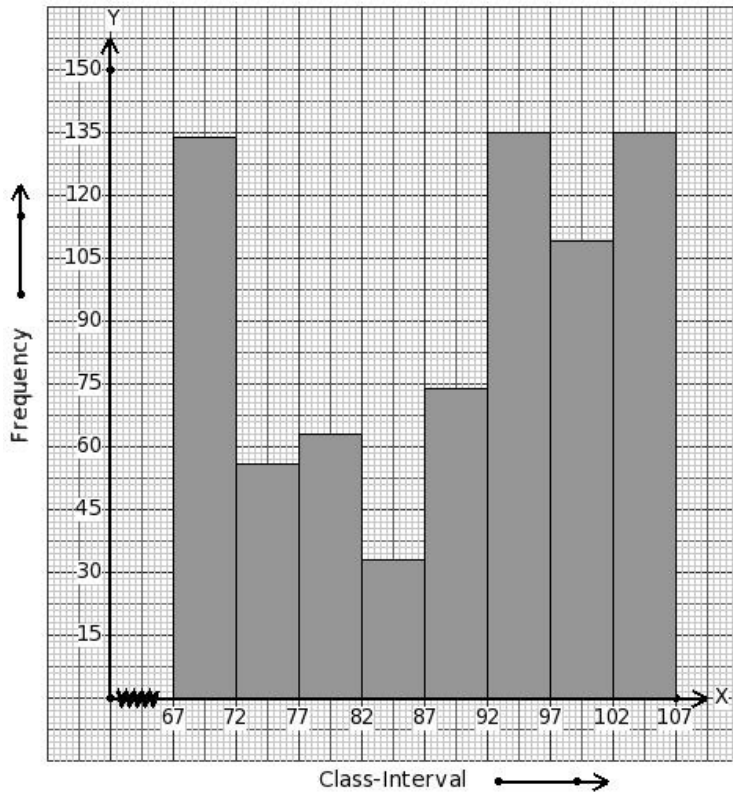
Weight (in kg)	16 - 18	18 - 20	20 - 22	22 - 24	24 - 26
No. of students	6	25	15	28	18
- (iii)

Weight (in kg)	16 - 18	18 - 20	20 - 22	22 - 24	24 - 26
No. of students	6	18	15	28	25
- (iv)

Weight (in kg)	16 - 18	18 - 20	20 - 22	22 - 24	24 - 26
No. of students	6	25	17	28	18
- (v)

Weight (in kg)	16 - 18	18 - 20	20 - 22	22 - 24	24 - 26
No. of students	6	27	15	28	18

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



(i)

Class-Interval	67 - 72	72 - 77	77 - 82	82 - 87	87 - 92	92 - 97	97 - 102	102 - 107
Frequency	134	135	63	33	74	135	109	56

(ii)

Class-Interval	67 - 72	72 - 77	77 - 82	82 - 87	87 - 92	92 - 97	97 - 102	102 - 107
Frequency	134	56	63	33	72	135	109	135

(iii)

Class-Interval	67 - 72	72 - 77	77 - 82	82 - 87	87 - 92	92 - 97	97 - 102	102 - 107
Frequency	134	56	33	63	74	135	109	135

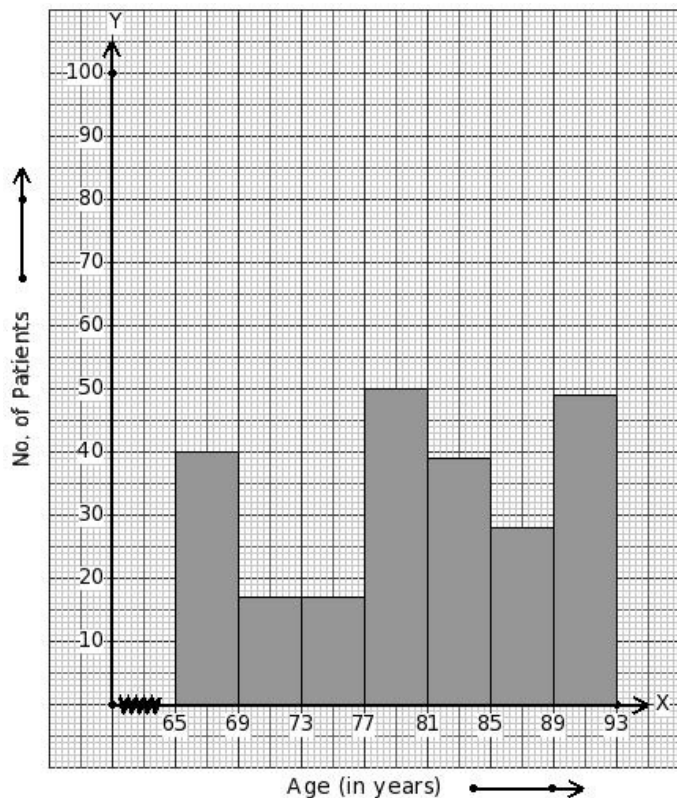
(iv)

Class-Interval	67 - 72	72 - 77	77 - 82	82 - 87	87 - 92	92 - 97	97 - 102	102 - 107
Frequency	134	56	61	33	74	135	109	135

(v)

Class-Interval	67 - 72	72 - 77	77 - 82	82 - 87	87 - 92	92 - 97	97 - 102	102 - 107
Frequency	134	56	63	33	74	135	109	135

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)	65 - 69	69 - 73	73 - 77	77 - 81	81 - 85	85 - 89	89 - 93
No. of Patients	40	49	17	50	39	28	17

(ii)

Age (in years)	65 - 69	69 - 73	73 - 77	77 - 81	81 - 85	85 - 89	89 - 93
No. of Patients	40	17	17	54	39	28	49

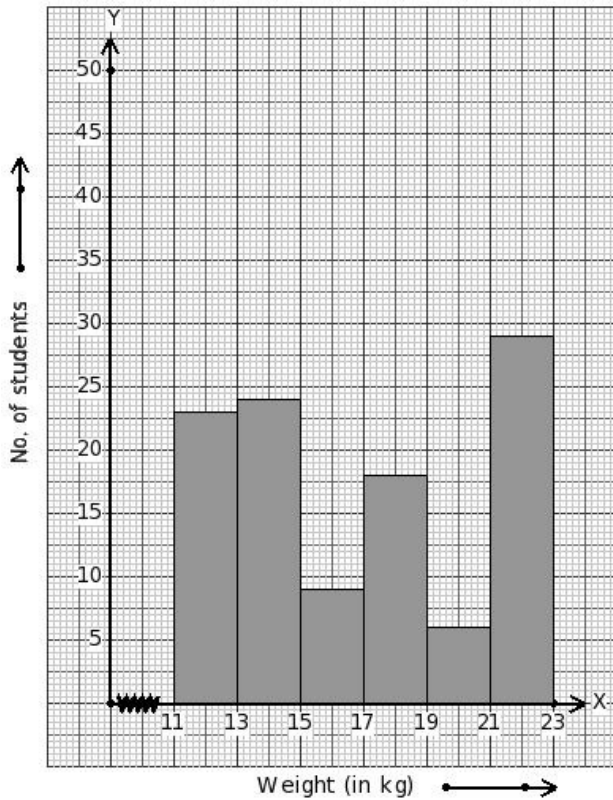
(iii)

Age (in years)	65 - 69	69 - 73	73 - 77	77 - 81	81 - 85	85 - 89	89 - 93
No. of Patients	40	17	21	50	39	28	49

(iv)

Age (in years)	65 - 69	69 - 73	73 - 77	77 - 81	81 - 85	85 - 89	89 - 93
No. of Patients	40	17	17	50	39	28	49

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



(i)

Weight (in kg)	11 - 13	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of students	23	9	24	18	6	29

(ii)

Weight (in kg)	11 - 13	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of students	23	24	7	18	6	29

(iii)

Weight (in kg)	11 - 13	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of students	23	29	9	18	6	24

(iv)

Weight (in kg)	11 - 13	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of students	23	24	9	18	6	29

(v)

Weight (in kg)	11 - 13	13 - 15	15 - 17	17 - 19	19 - 21	21 - 23
No. of students	23	24	9	21	6	29

7. A histogram consists of

- (i) squares (ii) rectangles (iii) sectors (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) (i)	2) (iii)	3) (ii)	4) (v)	5) (iv)	6) (iv)
7) (ii)	8) (iii)	9) (iii)			