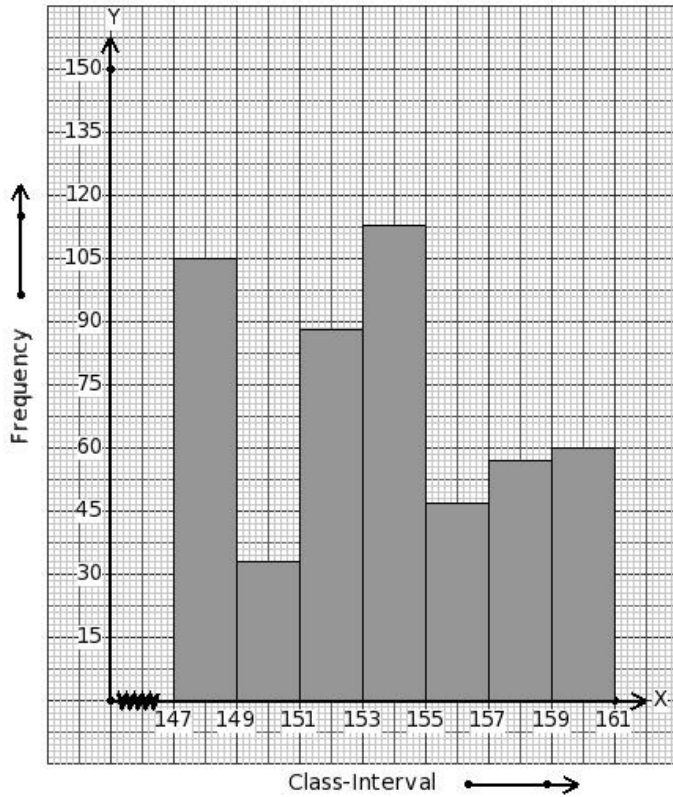




1. Identify the class interval table for the given histogram.



(i)

<b>Class-Interval</b>	147 - 149	149 - 151	151 - 153	153 - 155	155 - 157	157 - 159	159 - 161
<b>Frequency</b>	105	33	88	113	47	57	60

(ii)

<b>Class-Interval</b>	147 - 149	149 - 151	151 - 153	153 - 155	155 - 157	157 - 159	159 - 161
<b>Frequency</b>	105	60	88	113	47	57	33

(iii)

<b>Class-Interval</b>	147 - 149	149 - 151	151 - 153	153 - 155	155 - 157	157 - 159	159 - 161
<b>Frequency</b>	105	88	33	113	47	57	60

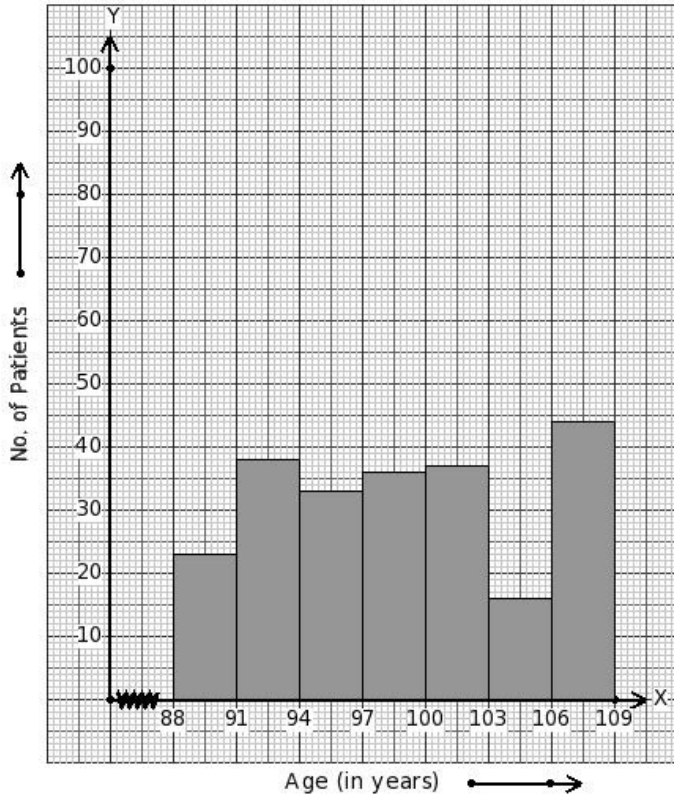
(iv)

<b>Class-Interval</b>	147 - 149	149 - 151	151 - 153	153 - 155	155 - 157	157 - 159	159 - 161
<b>Frequency</b>	105	33	92	113	47	57	60

(v)

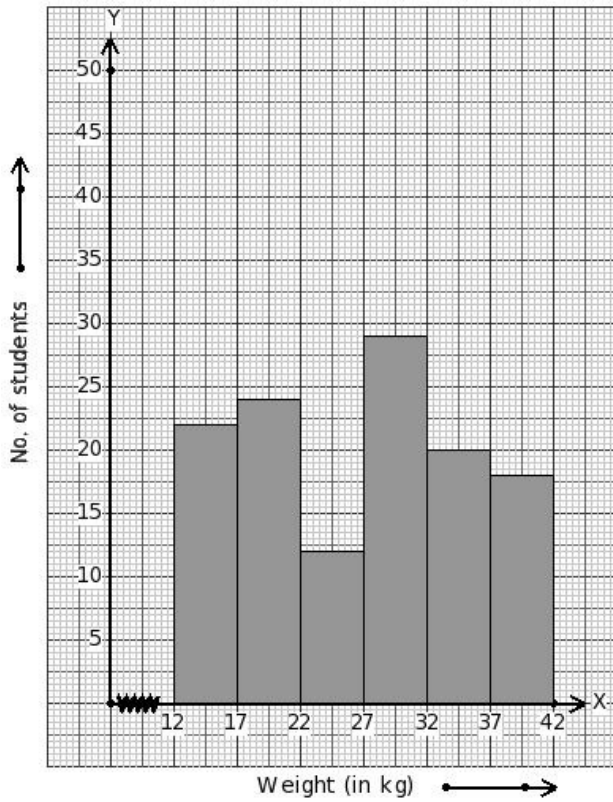
<b>Class-Interval</b>	147 - 149	149 - 151	151 - 153	153 - 155	155 - 157	157 - 159	159 - 161
<b>Frequency</b>	105	33	88	118	47	57	60

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)  | 88 - 91 | 91 - 94 | 94 - 97 | 97 - 100 | 100 - 103 | 103 - 106 | 106 - 109 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of Patients | 23      | 38      | 30      | 36       | 37        | 16        | 44        |
- (ii)
- | Age (in years)  | 88 - 91 | 91 - 94 | 94 - 97 | 97 - 100 | 100 - 103 | 103 - 106 | 106 - 109 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of Patients | 23      | 38      | 33      | 33       | 37        | 16        | 44        |
- (iii)
- | Age (in years)  | 88 - 91 | 91 - 94 | 94 - 97 | 97 - 100 | 100 - 103 | 103 - 106 | 106 - 109 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of Patients | 23      | 44      | 33      | 36       | 37        | 16        | 38        |
- (iv)
- | Age (in years)  | 88 - 91 | 91 - 94 | 94 - 97 | 97 - 100 | 100 - 103 | 103 - 106 | 106 - 109 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of Patients | 23      | 33      | 38      | 36       | 37        | 16        | 44        |
- (v)
- | Age (in years)  | 88 - 91 | 91 - 94 | 94 - 97 | 97 - 100 | 100 - 103 | 103 - 106 | 106 - 109 |
|-----------------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of Patients | 23      | 38      | 33      | 36       | 37        | 16        | 44        |

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



(i)

Weight (in kg)	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42
No. of students	22	12	24	29	20	18

(ii)

Weight (in kg)	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42
No. of students	22	24	12	29	20	18

(iii)

Weight (in kg)	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42
No. of students	22	18	12	29	20	24

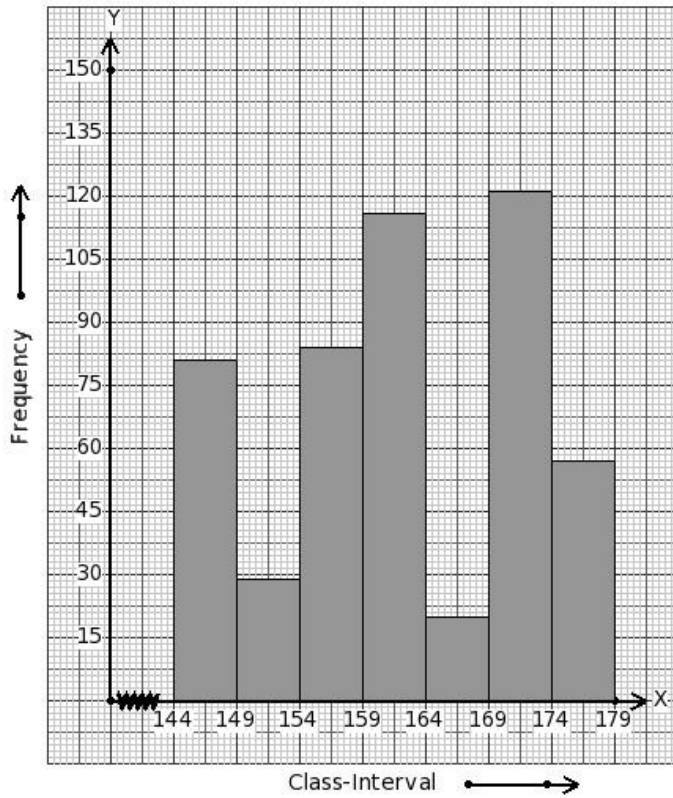
(iv)

Weight (in kg)	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42
No. of students	22	24	15	29	20	18

(v)

Weight (in kg)	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42
No. of students	22	24	12	27	20	18

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



(i)

<b>Class-Interval</b>	144 - 149	149 - 154	154 - 159	159 - 164	164 - 169	169 - 174	174 - 179
<b>Frequency</b>	81	57	84	116	20	121	29

(ii)

<b>Class-Interval</b>	144 - 149	149 - 154	154 - 159	159 - 164	164 - 169	169 - 174	174 - 179
<b>Frequency</b>	81	29	84	121	20	121	57

(iii)

<b>Class-Interval</b>	144 - 149	149 - 154	154 - 159	159 - 164	164 - 169	169 - 174	174 - 179
<b>Frequency</b>	81	29	84	116	20	121	57

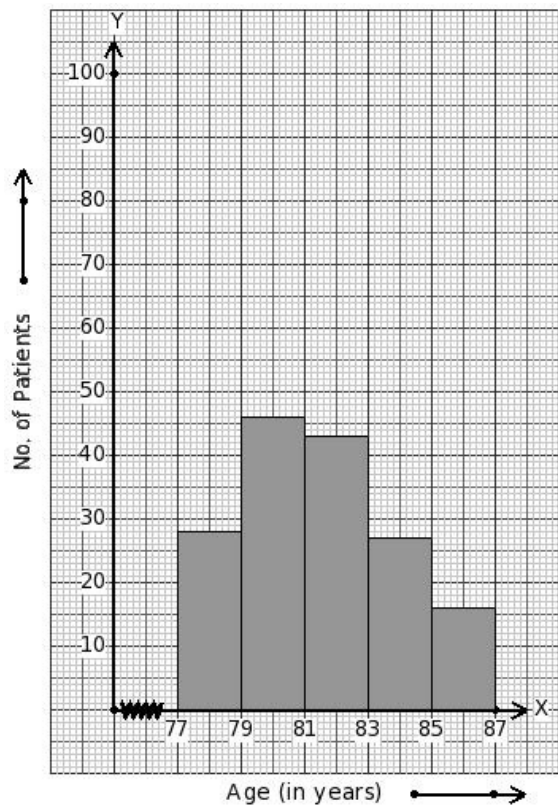
(iv)

<b>Class-Interval</b>	144 - 149	149 - 154	154 - 159	159 - 164	164 - 169	169 - 174	174 - 179
<b>Frequency</b>	81	29	80	116	20	121	57

(v)

<b>Class-Interval</b>	144 - 149	149 - 154	154 - 159	159 - 164	164 - 169	169 - 174	174 - 179
<b>Frequency</b>	81	84	29	116	20	121	57

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)	77 - 79	79 - 81	81 - 83	83 - 85	85 - 87
No. of Patients	28	46	39	27	16

(ii)

Age (in years)	77 - 79	79 - 81	81 - 83	83 - 85	85 - 87
No. of Patients	28	16	43	27	46

(iii)

Age (in years)	77 - 79	79 - 81	81 - 83	83 - 85	85 - 87
No. of Patients	28	43	43	27	16

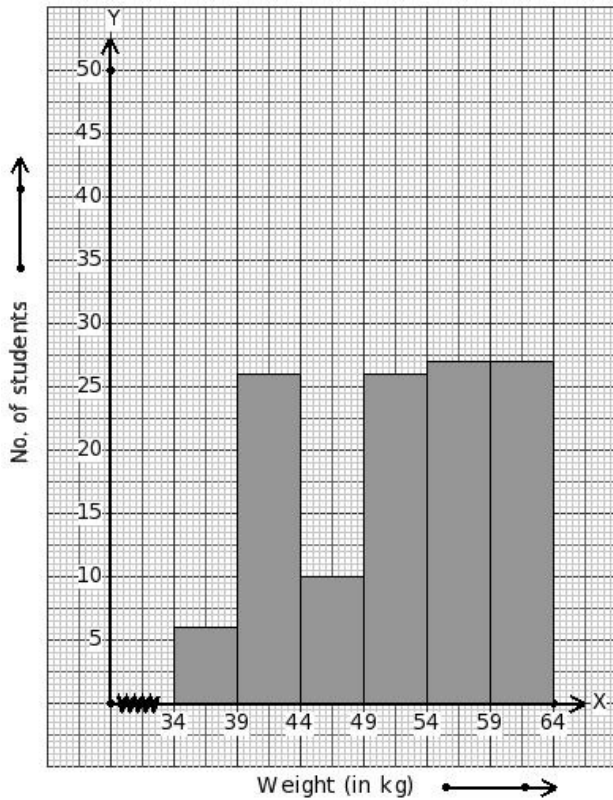
(iv)

Age (in years)	77 - 79	79 - 81	81 - 83	83 - 85	85 - 87
No. of Patients	28	43	46	27	16

(v)

Age (in years)	77 - 79	79 - 81	81 - 83	83 - 85	85 - 87
No. of Patients	28	46	43	27	16

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



- (i)
- |                        |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|
| <b>Weight (in kg)</b>  | 34 - 39 | 39 - 44 | 44 - 49 | 49 - 54 | 54 - 59 | 59 - 64 |
| <b>No. of students</b> | 6       | 10      | 26      | 26      | 27      | 27      |
- (ii)
- |                        |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|
| <b>Weight (in kg)</b>  | 34 - 39 | 39 - 44 | 44 - 49 | 49 - 54 | 54 - 59 | 59 - 64 |
| <b>No. of students</b> | 6       | 26      | 10      | 22      | 27      | 27      |
- (iii)
- |                        |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|
| <b>Weight (in kg)</b>  | 34 - 39 | 39 - 44 | 44 - 49 | 49 - 54 | 54 - 59 | 59 - 64 |
| <b>No. of students</b> | 6       | 26      | 10      | 26      | 27      | 27      |
- (iv)
- |                        |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|
| <b>Weight (in kg)</b>  | 34 - 39 | 39 - 44 | 44 - 49 | 49 - 54 | 54 - 59 | 59 - 64 |
| <b>No. of students</b> | 6       | 26      | 5       | 26      | 27      | 27      |
- (v)
- |                        |         |         |         |         |         |         |
|------------------------|---------|---------|---------|---------|---------|---------|
| <b>Weight (in kg)</b>  | 34 - 39 | 39 - 44 | 44 - 49 | 49 - 54 | 54 - 59 | 59 - 64 |
| <b>No. of students</b> | 6       | 27      | 10      | 26      | 27      | 26      |

7. A histogram consists of

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

8. The width of the rectangles in a histogram represents

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

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

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1) (i)	2) (v)	3) (ii)	4) (iii)	5) (v)	6) (iii)
7) (iii)	8) (iv)	9) (iii)			