

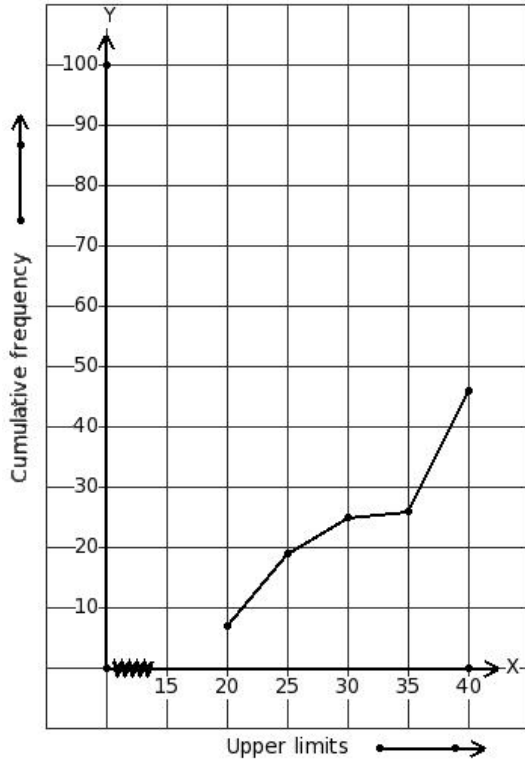
EduSahara™ Learning Center Assignment

Grade : Class X, SSC

Chapter : Statistics

Name : Ogive

1. Identify the frequency distribution table for the given ogive.



(i)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40
Frequency	7	12	6	1	20

(ii)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40
Frequency	17	5	12	7	2

(iii)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40
Frequency	9	10	10	18	18

(iv)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40
Frequency	6	4	6	2	19

(v)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40
Frequency	6	7	3	1	20

2. Less than cumulative curves are drawn using

- (i) lower boundaries of classes and greater than cumulative frequencies
- (ii) mid values of classes and less than cumulative frequencies
- (iii) lower boundaries of classes and less than cumulative frequencies
- (iv) upper boundaries of classes and less than cumulative frequencies

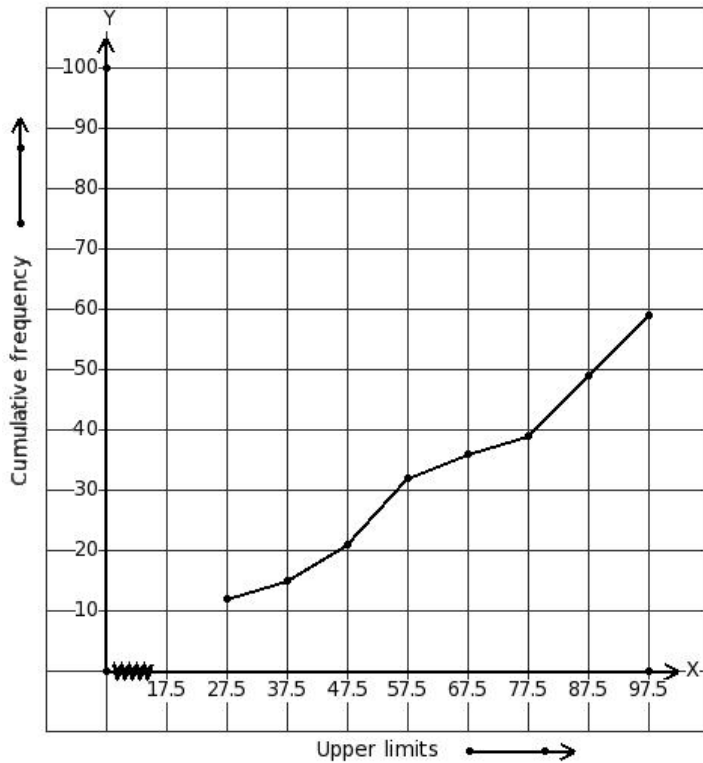
3. Greater than cumulative curves are drawn using

- (i) mid values of classes and greater than cumulative frequencies
- (ii) upper boundaries of classes and greater than cumulative frequencies

(iii) lower boundaries of classes and greater than cumulative frequencies

(iv) upper boundaries of classes and less than cumulative frequencies

4. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Class-Interval	18 - 27	28 - 37	38 - 47	48 - 57	58 - 67	68 - 77	78 - 87	88 - 97
Frequency	12	3	6	11	4	3	10	10

(ii)

Class-Interval	18 - 27	28 - 37	38 - 47	48 - 57	58 - 67	68 - 77	78 - 87	88 - 97
Frequency	17	1	16	18	6	2	13	18

(iii)

Class-Interval	18 - 27	28 - 37	38 - 47	48 - 57	58 - 67	68 - 77	78 - 87	88 - 97
Frequency	5	10	14	2	16	15	17	15

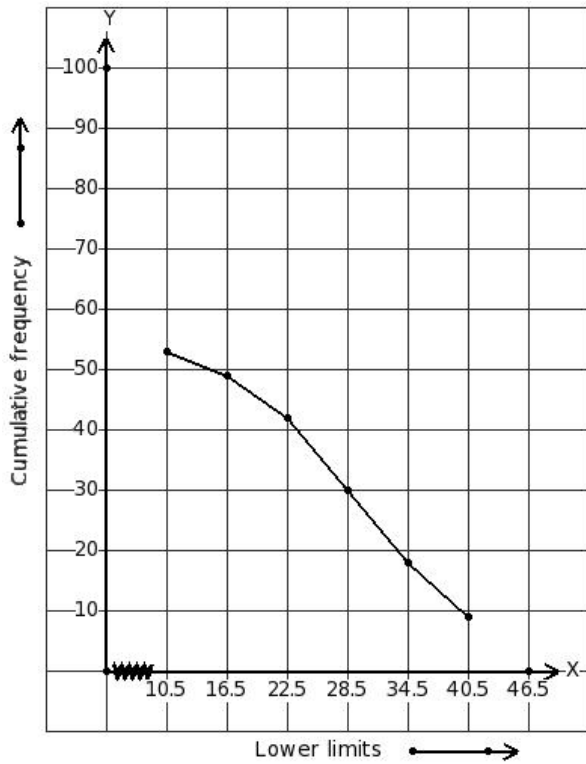
(iv)

Class-Interval	18 - 27	28 - 37	38 - 47	48 - 57	58 - 67	68 - 77	78 - 87	88 - 97
Frequency	1	18	14	19	11	12	17	17

(v)

Class-Interval	18 - 27	28 - 37	38 - 47	48 - 57	58 - 67	68 - 77	78 - 87	88 - 97
Frequency	7	20	15	8	12	12	18	8

5. Identify the frequency distribution table for the given 'more than' ogive.



(i)	Class-Interval	11 - 16	17 - 22	23 - 28	29 - 34	35 - 40	41 - 46
	Frequency	5	5	18	8	14	6

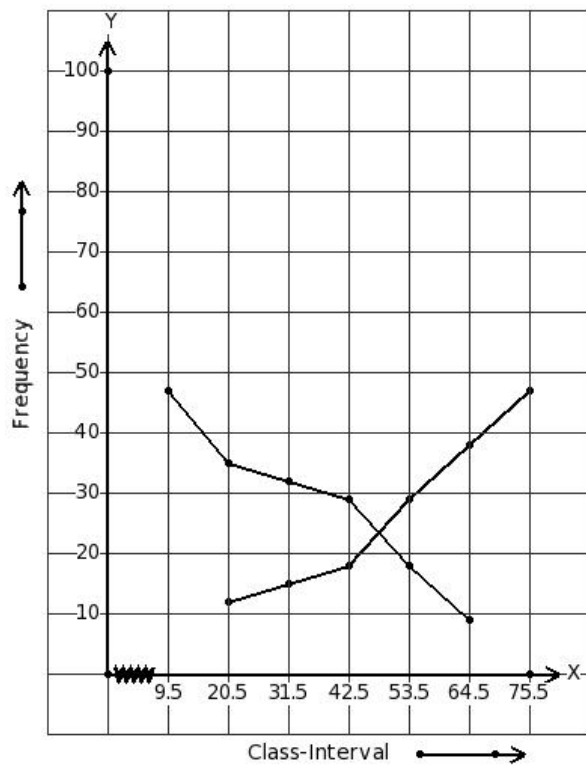
(ii)	Class-Interval	11 - 16	17 - 22	23 - 28	29 - 34	35 - 40	41 - 46
	Frequency	17	15	8	16	19	20

(iii)	Class-Interval	11 - 16	17 - 22	23 - 28	29 - 34	35 - 40	41 - 46
	Frequency	12	3	11	5	10	5

(iv)	Class-Interval	11 - 16	17 - 22	23 - 28	29 - 34	35 - 40	41 - 46
	Frequency	14	17	11	5	11	11

(v)	Class-Interval	11 - 16	17 - 22	23 - 28	29 - 34	35 - 40	41 - 46
	Frequency	4	7	12	12	9	9

6. Identify the frequency distribution table for the given ' median ' ogive.



(i)

Class-Interval	10 - 20	21 - 31	32 - 42	43 - 53	54 - 64	65 - 75
Frequency	12	11	12	2	19	6

(ii)

Class-Interval	10 - 20	21 - 31	32 - 42	43 - 53	54 - 64	65 - 75
Frequency	12	3	3	11	9	9

(iii)

Class-Interval	10 - 20	21 - 31	32 - 42	43 - 53	54 - 64	65 - 75
Frequency	5	14	14	10	7	10

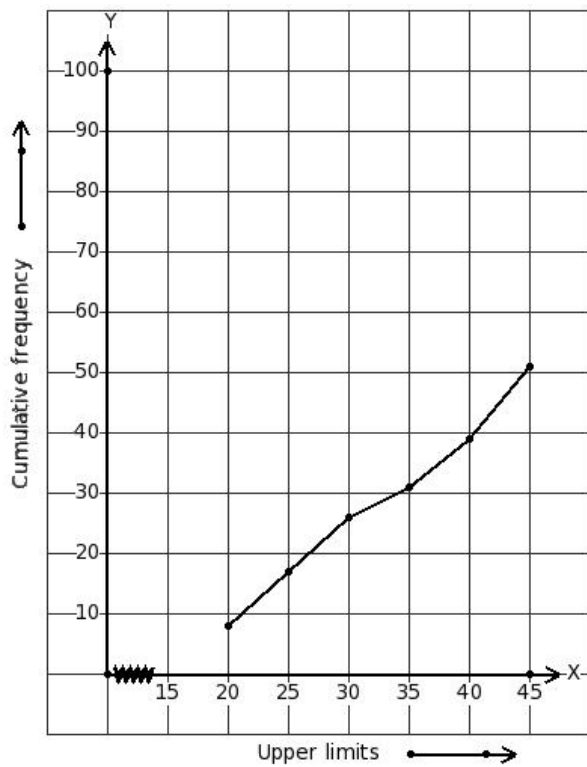
(iv)

Class-Interval	10 - 20	21 - 31	32 - 42	43 - 53	54 - 64	65 - 75
Frequency	18	14	10	15	17	4

(v)

Class-Interval	10 - 20	21 - 31	32 - 42	43 - 53	54 - 64	65 - 75
Frequency	9	15	16	9	7	8

7. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45
Frequency	1	5	18	2	17	8

(ii)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45
Frequency	8	9	9	5	8	12

(iii)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45
Frequency	6	19	19	13	4	7

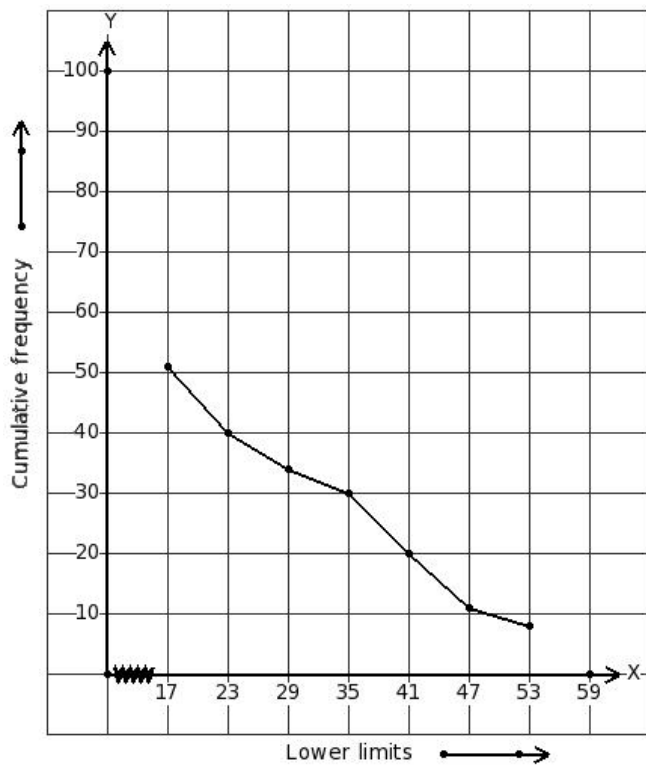
(iv)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45
Frequency	13	10	7	11	19	13

(v)

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45
Frequency	4	20	7	8	4	20

8. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Class-Interval	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47	47 - 53	53 - 59
Frequency	12	19	9	10	12	12	9

(ii)

Class-Interval	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47	47 - 53	53 - 59
Frequency	11	6	4	10	9	3	8

(iii)

Class-Interval	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47	47 - 53	53 - 59
Frequency	14	7	17	6	11	14	19

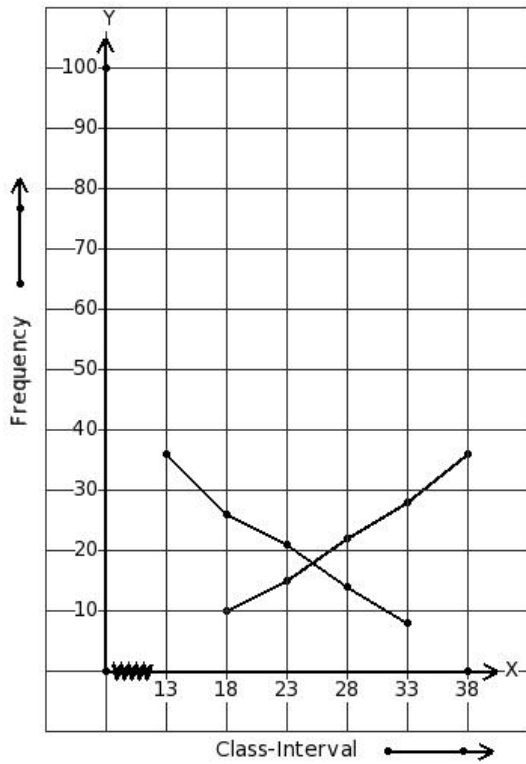
(iv)

Class-Interval	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47	47 - 53	53 - 59
Frequency	19	2	12	9	20	2	19

(v)

Class-Interval	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47	47 - 53	53 - 59
Frequency	14	13	15	12	16	7	11

9. Identify the frequency distribution table for the given ' median ' ogive.



(i)

Class-Interval	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38
Frequency	12	11	20	2	2

(ii)

Class-Interval	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38
Frequency	3	3	6	18	6

(iii)

Class-Interval	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38
Frequency	19	10	3	10	14

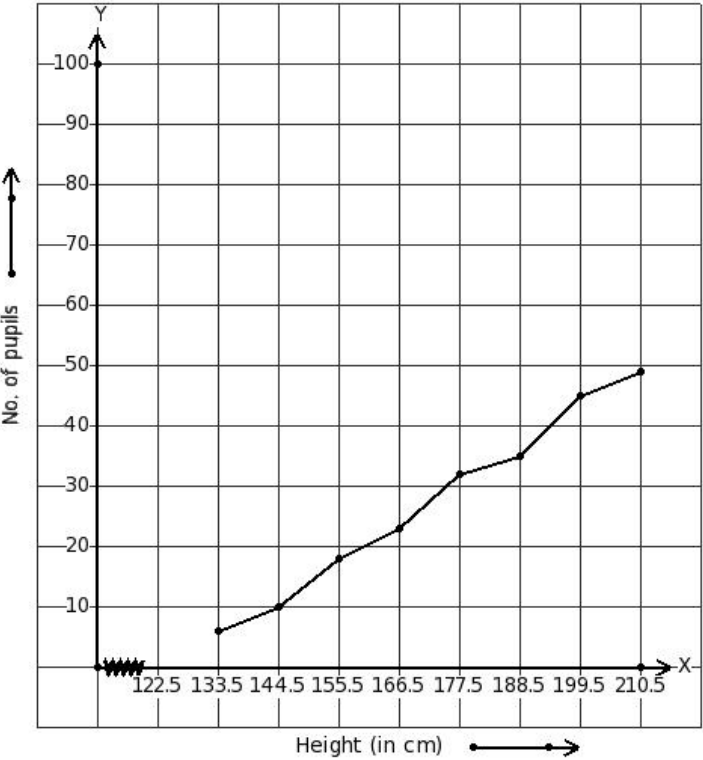
(iv)

Class-Interval	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38
Frequency	10	5	7	6	8

(v)

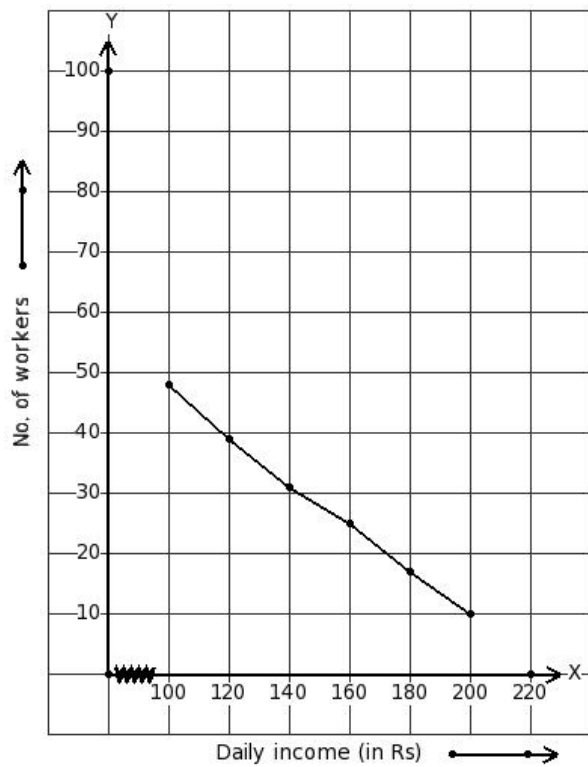
Class-Interval	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38
Frequency	19	4	4	20	7

10. The heights of 49 pupils in a school are given Identify the frequency distribution table for the less than ogive.
below. given ' than



- (i)
- | Height (in cm) | 123 - 133 | 134 - 144 | 145 - 155 | 156 - 166 | 167 - 177 | 178 - 188 | 189 - 199 | 200 - 210 |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of pupils | 6 | 4 | 8 | 5 | 9 | 3 | 10 | 4 |
- (ii)
- | Height (in cm) | 123 - 133 | 134 - 144 | 145 - 155 | 156 - 166 | 167 - 177 | 178 - 188 | 189 - 199 | 200 - 210 |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of pupils | 6 | 4 | 8 | 5 | 7 | 3 | 10 | 4 |
- (iii)
- | Height (in cm) | 123 - 133 | 134 - 144 | 145 - 155 | 156 - 166 | 167 - 177 | 178 - 188 | 189 - 199 | 200 - 210 |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of pupils | 6 | 4 | 13 | 5 | 9 | 3 | 10 | 4 |
- (iv)
- | Height (in cm) | 123 - 133 | 134 - 144 | 145 - 155 | 156 - 166 | 167 - 177 | 178 - 188 | 189 - 199 | 200 - 210 |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of pupils | 6 | 4 | 5 | 8 | 9 | 3 | 10 | 4 |

11. The daily income of 48 workers of a factory is given Identify the frequency distribution table for the more than ogive.
below. given ' than ogive.



(i)

Daily income (in Rs)	100 - 120	120 - 140	140 - 160	160 - 180	180 - 200	200 - 220
No. of workers	9	8	6	8	7	10

(ii)

Daily income (in Rs)	100 - 120	120 - 140	140 - 160	160 - 180	180 - 200	200 - 220
No. of workers	9	10	6	8	7	8

(iii)

Daily income (in Rs)	100 - 120	120 - 140	140 - 160	160 - 180	180 - 200	200 - 220
No. of workers	9	6	8	8	7	10

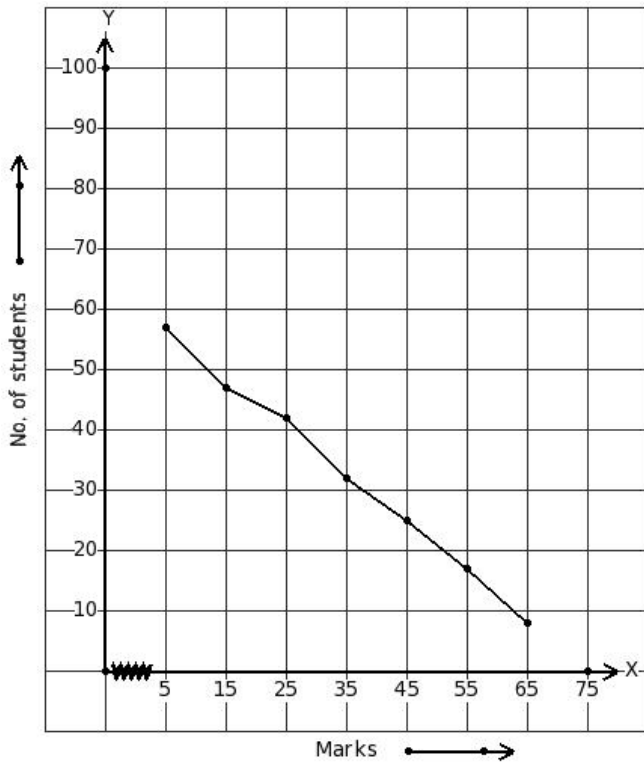
(iv)

Daily income (in Rs)	100 - 120	120 - 140	140 - 160	160 - 180	180 - 200	200 - 220
No. of workers	9	8	2	8	7	10

(v)

Daily income (in Rs)	100 - 120	120 - 140	140 - 160	160 - 180	180 - 200	200 - 220
No. of workers	9	8	6	6	7	10

12. The Marks obtained by 57 students of a class in an examination is given below. Identify the frequency distribution table more appropriate for the given ogive.



(i)

Marks	5 - 15	15 - 25	25 - 35	35 - 45	45 - 55	55 - 65	65 - 75
No. of students	10	10	5	7	8	9	8

(ii)

Marks	5 - 15	15 - 25	25 - 35	35 - 45	45 - 55	55 - 65	65 - 75
No. of students	10	5	10	7	8	9	8

(iii)

Marks	5 - 15	15 - 25	25 - 35	35 - 45	45 - 55	55 - 65	65 - 75
No. of students	10	8	10	7	8	9	5

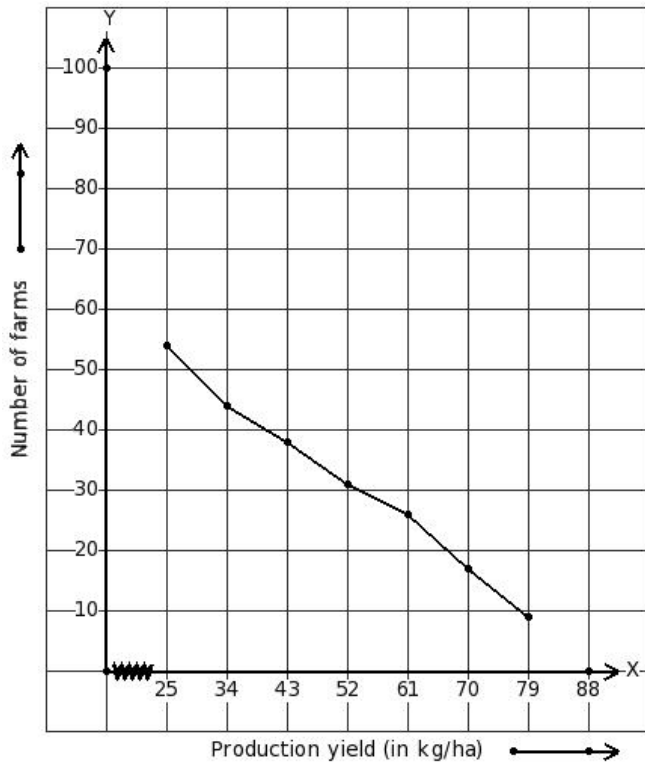
(iv)

Marks	5 - 15	15 - 25	25 - 35	35 - 45	45 - 55	55 - 65	65 - 75
No. of students	10	5	10	3	8	9	8

(v)

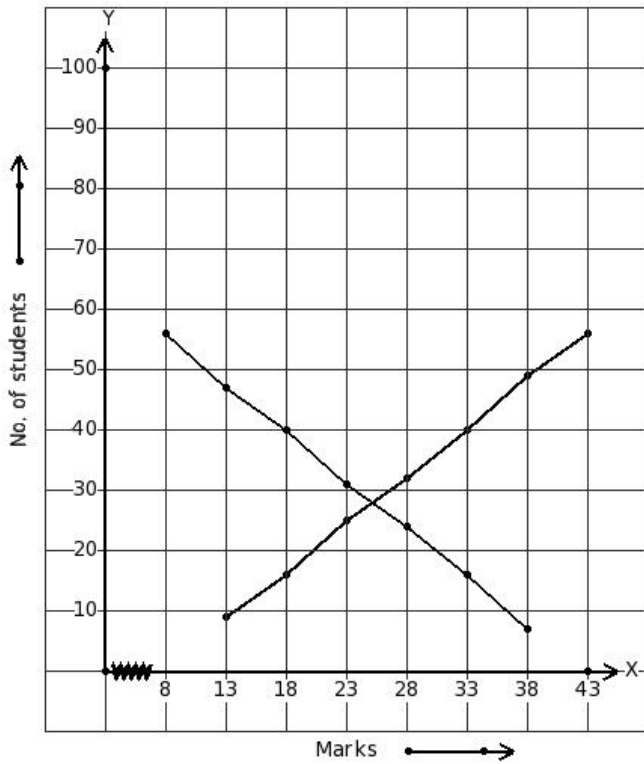
Marks	5 - 15	15 - 25	25 - 35	35 - 45	45 - 55	55 - 65	65 - 75
No. of students	10	5	14	7	8	9	8

13. The production yield in kg per hectare of wheat of 54 farms of a village is given below. Identify the frequency distribution table more appropriate for the given ogive.



- (i)
- | Production yield (in kg/ha) | 25 - 34 | 34 - 43 | 43 - 52 | 52 - 61 | 61 - 70 | 70 - 79 | 79 - 88 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|
| Number of farms | 10 | 6 | 7 | 10 | 9 | 8 | 9 |
- (ii)
- | Production yield (in kg/ha) | 25 - 34 | 34 - 43 | 43 - 52 | 52 - 61 | 61 - 70 | 70 - 79 | 79 - 88 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|
| Number of farms | 10 | 6 | 10 | 5 | 9 | 8 | 9 |
- (iii)
- | Production yield (in kg/ha) | 25 - 34 | 34 - 43 | 43 - 52 | 52 - 61 | 61 - 70 | 70 - 79 | 79 - 88 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|
| Number of farms | 10 | 9 | 7 | 5 | 9 | 8 | 6 |
- (iv)
- | Production yield (in kg/ha) | 25 - 34 | 34 - 43 | 43 - 52 | 52 - 61 | 61 - 70 | 70 - 79 | 79 - 88 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|
| Number of farms | 10 | 6 | 7 | 5 | 9 | 8 | 9 |
- (v)
- | Production yield (in kg/ha) | 25 - 34 | 34 - 43 | 43 - 52 | 52 - 61 | 61 - 70 | 70 - 79 | 79 - 88 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|
| Number of farms | 10 | 7 | 6 | 5 | 9 | 8 | 9 |

14. The Marks obtained by 56 students of a class in an examination is given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Marks	8 - 13	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38	38 - 43
No. of students	9	7	9	7	8	9	7

(ii)

Marks	8 - 13	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38	38 - 43
No. of students	9	9	7	7	8	9	7

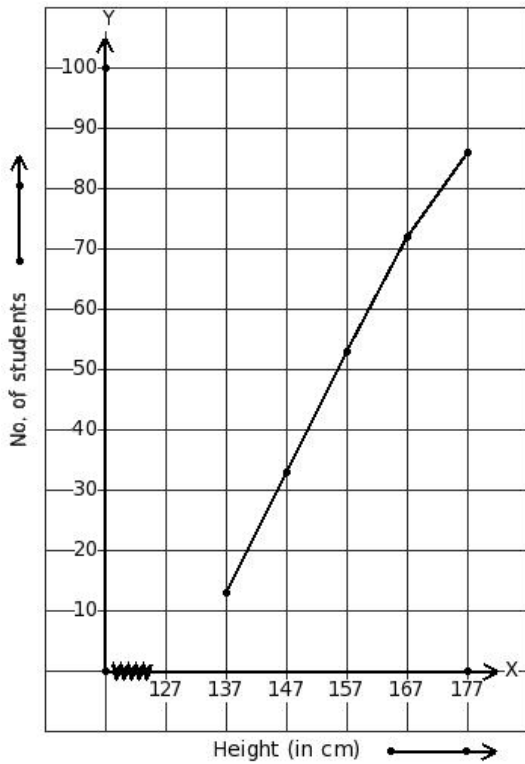
(iii)

Marks	8 - 13	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38	38 - 43
No. of students	9	7	9	3	8	9	7

(iv)

Marks	8 - 13	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38	38 - 43
No. of students	9	7	4	7	8	9	7

15. Heights of 86 students (in cm) are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Height (in cm)	127 - 137	137 - 147	147 - 157	157 - 167	167 - 177
No. of students	13	14	20	19	20

(ii)

Height (in cm)	127 - 137	137 - 147	147 - 157	157 - 167	167 - 177
No. of students	13	16	20	19	14

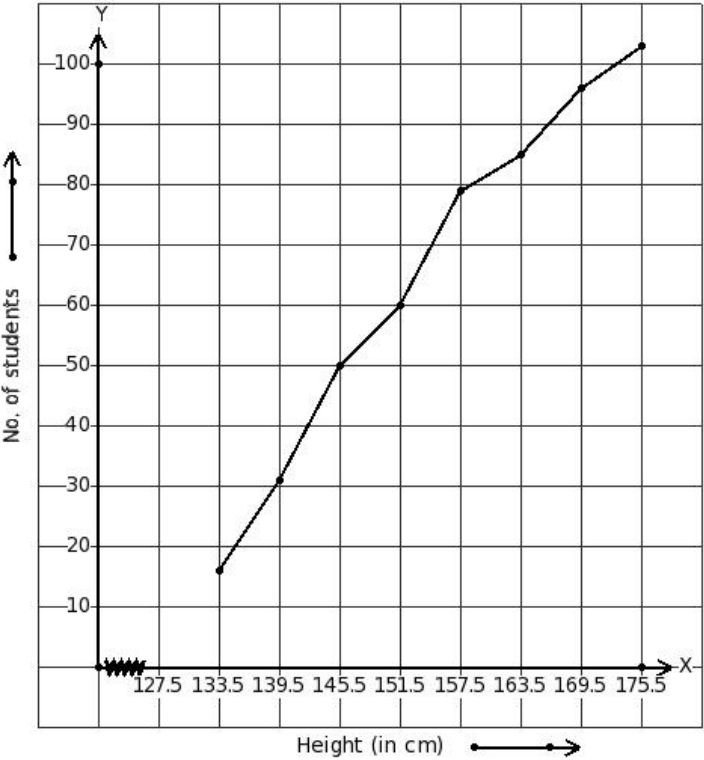
(iii)

Height (in cm)	127 - 137	137 - 147	147 - 157	157 - 167	167 - 177
No. of students	13	20	25	19	14

(iv)

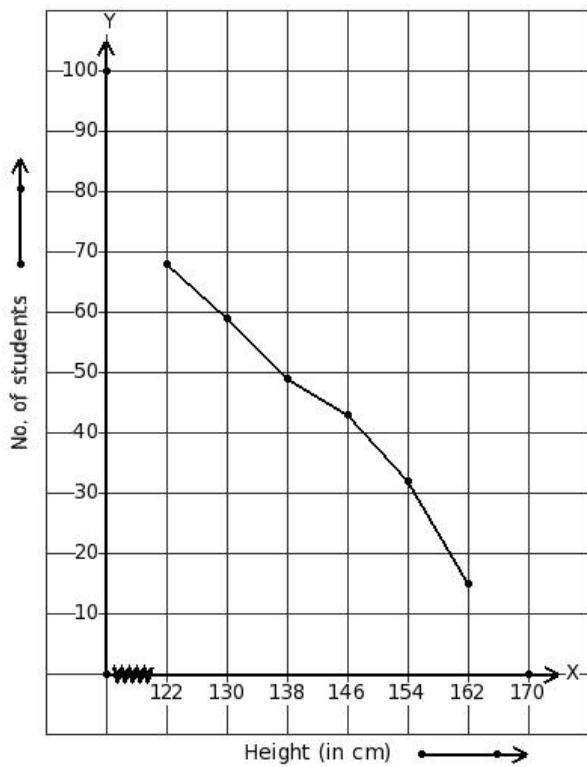
Height (in cm)	127 - 137	137 - 147	147 - 157	157 - 167	167 - 177
No. of students	13	20	20	19	14

16. Heights of 103 students (in cm) are given below. Identify the frequency distribution table for the given 'less than' ogive.



- (i)
- | Height (in cm) | 128 - 133 | 134 - 139 | 140 - 145 | 146 - 151 | 152 - 157 | 158 - 163 | 164 - 169 | 170 - 175 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of students | 16 | 15 | 22 | 10 | 19 | 6 | 11 | 7 |
- (ii)
- | Height (in cm) | 128 - 133 | 134 - 139 | 140 - 145 | 146 - 151 | 152 - 157 | 158 - 163 | 164 - 169 | 170 - 175 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of students | 16 | 15 | 10 | 19 | 19 | 6 | 11 | 7 |
- (iii)
- | Height (in cm) | 128 - 133 | 134 - 139 | 140 - 145 | 146 - 151 | 152 - 157 | 158 - 163 | 164 - 169 | 170 - 175 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of students | 16 | 15 | 19 | 10 | 22 | 6 | 11 | 7 |
- (iv)
- | Height (in cm) | 128 - 133 | 134 - 139 | 140 - 145 | 146 - 151 | 152 - 157 | 158 - 163 | 164 - 169 | 170 - 175 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of students | 16 | 15 | 19 | 10 | 19 | 6 | 11 | 7 |
- (v)
- | Height (in cm) | 128 - 133 | 134 - 139 | 140 - 145 | 146 - 151 | 152 - 157 | 158 - 163 | 164 - 169 | 170 - 175 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of students | 16 | 7 | 19 | 10 | 19 | 6 | 11 | 15 |

17. Heights of 68 students (in cm) are given below. Identify the frequency distribution table for the given ' more than ' ogive.



(i)

Height (in cm)	122 - 130	130 - 138	138 - 146	146 - 154	154 - 162	162 - 170
No. of students	9	15	6	11	17	10

(ii)

Height (in cm)	122 - 130	130 - 138	138 - 146	146 - 154	154 - 162	162 - 170
No. of students	9	6	10	11	17	15

(iii)

Height (in cm)	122 - 130	130 - 138	138 - 146	146 - 154	154 - 162	162 - 170
No. of students	9	10	10	11	17	15

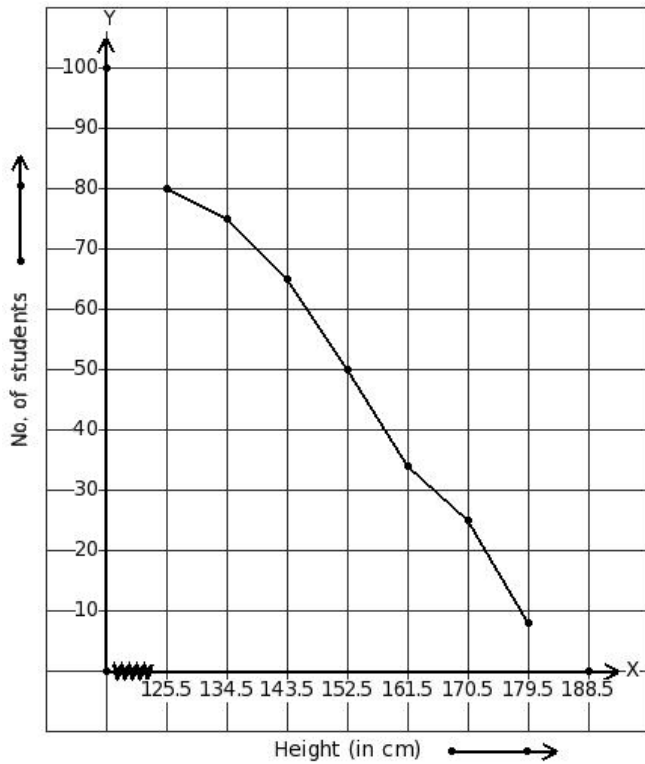
(iv)

Height (in cm)	122 - 130	130 - 138	138 - 146	146 - 154	154 - 162	162 - 170
No. of students	9	10	6	11	17	15

(v)

Height (in cm)	122 - 130	130 - 138	138 - 146	146 - 154	154 - 162	162 - 170
No. of students	9	10	6	16	17	15

18. Heights of 80 students (in cm) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188
No. of students	5	8	15	16	9	17	10

(ii)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188
No. of students	5	10	15	16	9	17	8

(iii)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188
No. of students	5	10	15	19	9	17	8

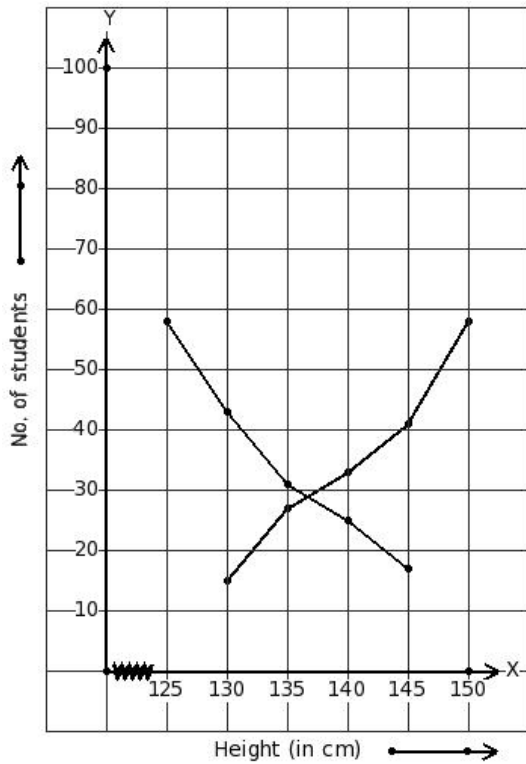
(iv)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188
No. of students	5	15	10	16	9	17	8

(v)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188
No. of students	5	10	17	16	9	17	8

19. Heights of 58 students (in cm) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Height (in cm)	125 - 130	130 - 135	135 - 140	140 - 145	145 - 150
No. of students	15	17	6	8	12

(ii)

Height (in cm)	125 - 130	130 - 135	135 - 140	140 - 145	145 - 150
No. of students	15	12	6	8	17

(iii)

Height (in cm)	125 - 130	130 - 135	135 - 140	140 - 145	145 - 150
No. of students	15	6	12	8	17

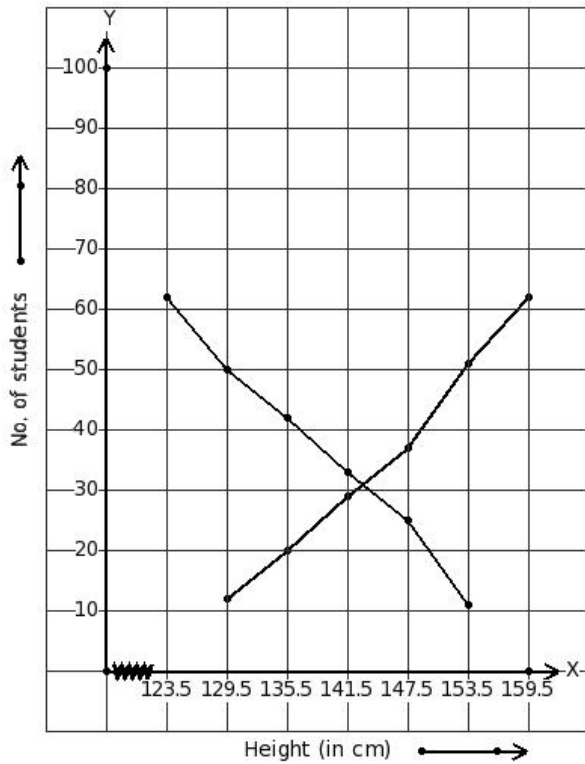
(iv)

Height (in cm)	125 - 130	130 - 135	135 - 140	140 - 145	145 - 150
No. of students	15	17	6	8	17

(v)

Height (in cm)	125 - 130	130 - 135	135 - 140	140 - 145	145 - 150
No. of students	15	12	2	8	17

20. Heights of 62 students (in cm) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Height (in cm)	124 - 129	130 - 135	136 - 141	142 - 147	148 - 153	154 - 159
No. of students	12	8	14	8	14	11

(ii)

Height (in cm)	124 - 129	130 - 135	136 - 141	142 - 147	148 - 153	154 - 159
No. of students	12	8	9	8	14	11

(iii)

Height (in cm)	124 - 129	130 - 135	136 - 141	142 - 147	148 - 153	154 - 159
No. of students	12	9	8	8	14	11

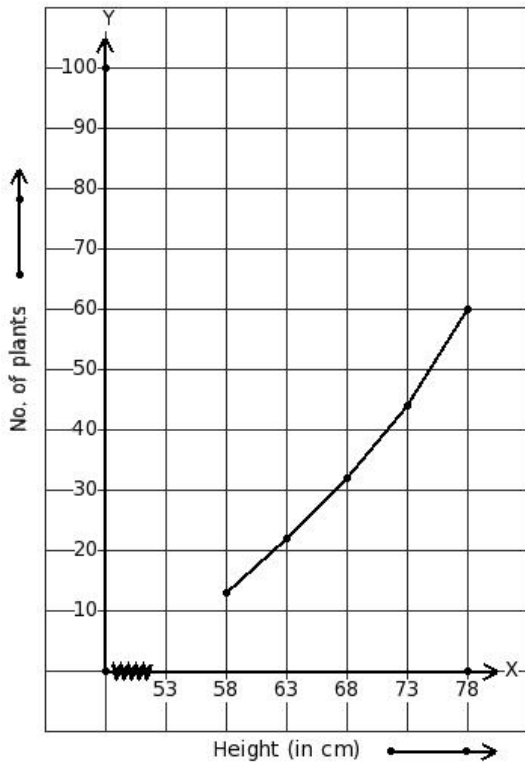
(iv)

Height (in cm)	124 - 129	130 - 135	136 - 141	142 - 147	148 - 153	154 - 159
No. of students	12	8	9	13	14	11

(v)

Height (in cm)	124 - 129	130 - 135	136 - 141	142 - 147	148 - 153	154 - 159
No. of students	12	11	9	8	14	8

21. Heights of 60 plants (in cm) are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Height (in cm)	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78
No. of plants	13	13	10	12	16

(ii)

Height (in cm)	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78
No. of plants	13	9	13	12	16

(iii)

Height (in cm)	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78
No. of plants	13	10	9	12	16

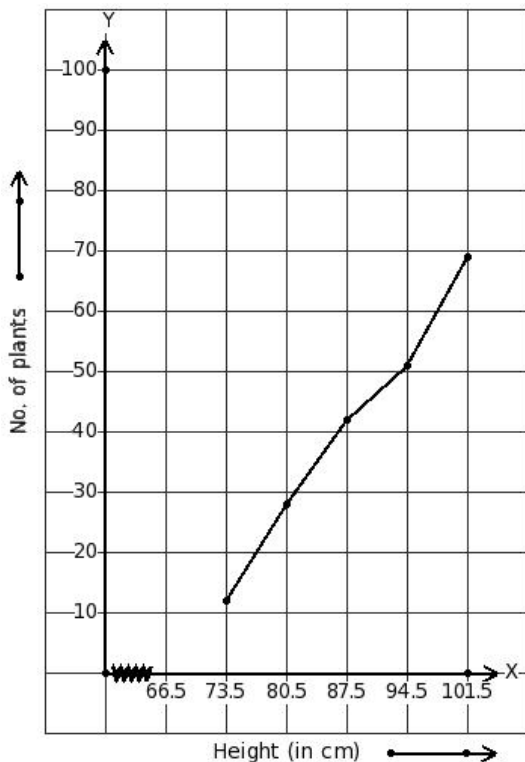
(iv)

Height (in cm)	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78
No. of plants	13	9	10	12	16

(v)

Height (in cm)	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78
No. of plants	13	16	10	12	9

22. Heights of 69 plants (in cm) are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Height (in cm)	67 - 73	74 - 80	81 - 87	88 - 94	95 - 101
No. of plants	13	13	10	12	16

(ii)

Height (in cm)	67 - 73	74 - 80	81 - 87	88 - 94	95 - 101
No. of plants	13	9	13	12	16

(iii)

No. of plants	12	14	16	9	18
Height (in cm)	67 - 73	74 - 80	81 - 87	88 - 94	95 - 101
No. of plants	12	18	14	9	16

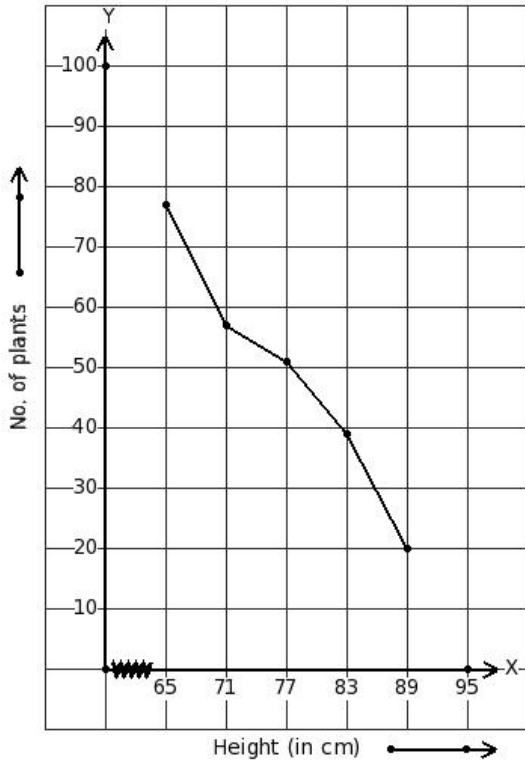
(v)

Height (in cm)	67 - 73	74 - 80	81 - 87	88 - 94	95 - 101
No. of plants	12	16	9	9	18

(iv)

No. of plants	12	16	14	9	18
Height (in cm)	67 - 73	74 - 80	81 - 87	88 - 94	95 - 101
No. of plants	12	13	14	9	18

23. Heights of 77 plants (in cm) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Height (in cm)	65 - 71	71 - 77	77 - 83	83 - 89	89 - 95
No. of plants	20	4	12	19	20

(iii)

Height (in cm)	65 - 71	71 - 77	77 - 83	83 - 89	89 - 95
No. of plants	20	6	12	19	20

(v)

Height (in cm)	65 - 71	71 - 77	77 - 83	83 - 89	89 - 95
No. of plants	20	6	16	19	20

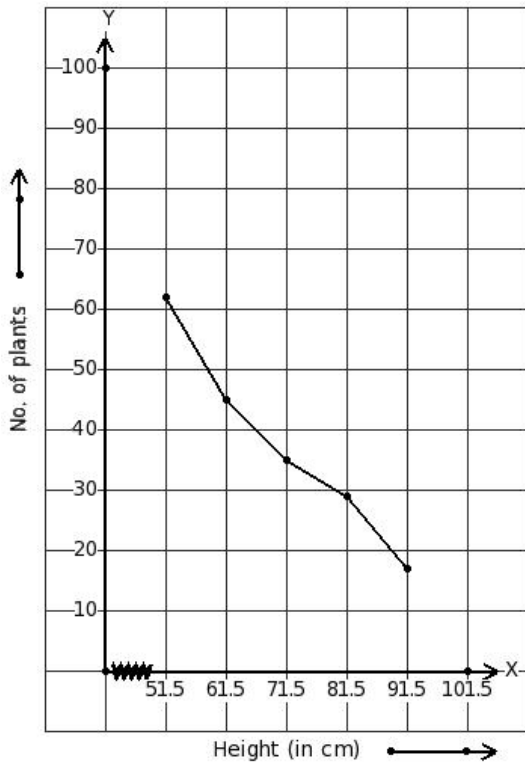
(ii)

Height (in cm)	65 - 71	71 - 77	77 - 83	83 - 89	89 - 95
No. of plants	20	20	12	19	6

(iv)

Height (in cm)	65 - 71	71 - 77	77 - 83	83 - 89	89 - 95
No. of plants	20	12	6	19	20

24. Heights of 62 plants (in cm) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Height (in cm)	52 - 61	62 - 71	72 - 81	82 - 91	92 - 101
No. of plants	17	12	6	12	17

(ii)

Height (in cm)	52 - 61	62 - 71	72 - 81	82 - 91	92 - 101
No. of plants	17	17	6	12	10

(iii)

Height (in cm)	52 - 61	62 - 71	72 - 81	82 - 91	92 - 101
No. of plants	17	6	10	12	17

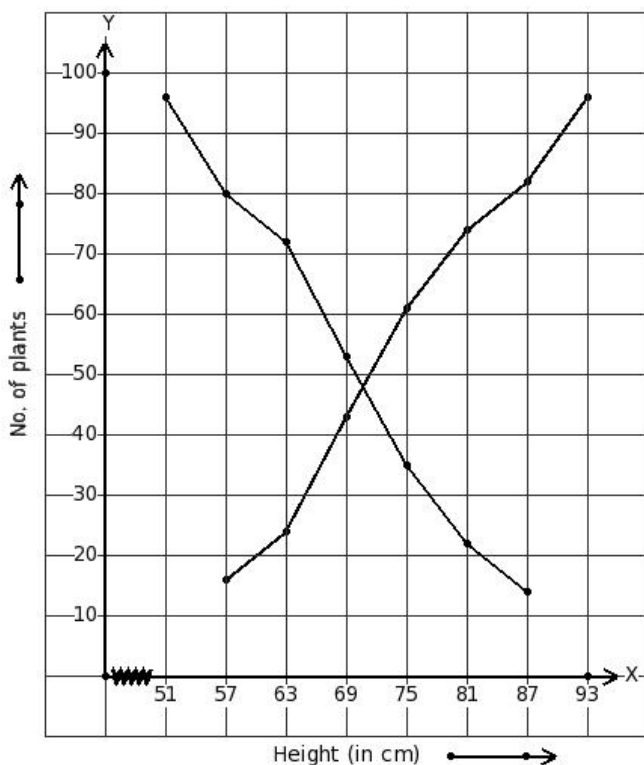
(iv)

Height (in cm)	52 - 61	62 - 71	72 - 81	82 - 91	92 - 101
No. of plants	17	10	6	12	17

(v)

Height (in cm)	52 - 61	62 - 71	72 - 81	82 - 91	92 - 101
No. of plants	17	10	9	12	17

25. Heights of 96 plants (in cm) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Height (in cm)	51 - 57	57 - 63	63 - 69	69 - 75	75 - 81	81 - 87	87 - 93
No. of plants							

No. of plants	16	19	8	18	13	8	14
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(ii)

Height (in cm)	51 - 57	57 - 63	63 - 69	69 - 75	75 - 81	81 - 87	87 - 93
No. of plants	16	8	21	18	13	8	14

(iii)

Height (in cm)	51 - 57	57 - 63	63 - 69	69 - 75	75 - 81	81 - 87	87 - 93
No. of plants	16	8	19	18	13	8	14

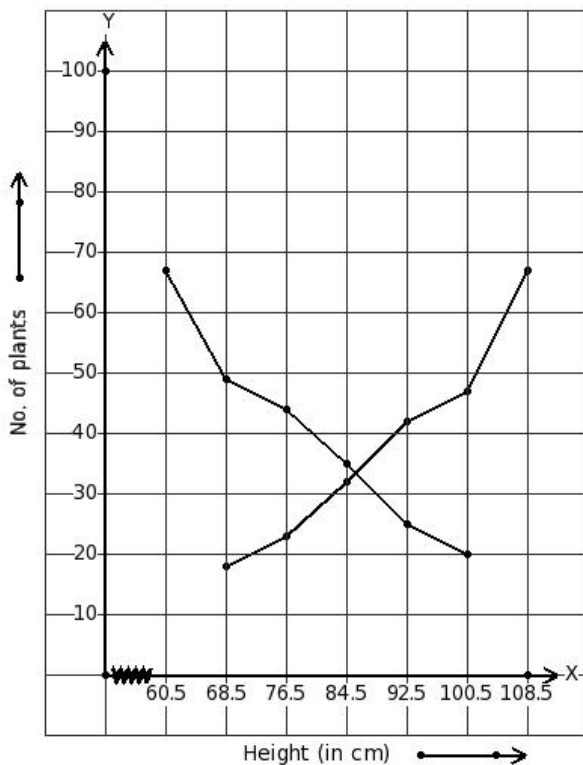
(iv)

Height (in cm)	51 - 57	57 - 63	63 - 69	69 - 75	75 - 81	81 - 87	87 - 93
No. of plants	16	14	19	18	13	8	8

(v)

Height (in cm)	51 - 57	57 - 63	63 - 69	69 - 75	75 - 81	81 - 87	87 - 93
No. of plants	16	8	19	21	13	8	14

26. Heights of 67 plants (in cm) are given below. Identify the frequency distribution table for the given ' median ' ogive.



(i)

Height (in cm)	61 - 68	69 - 76	77 - 84	85 - 92	93 - 100	101 - 108
No. of plants	18	20	9	10	5	5

(ii)

Height (in cm)	61 - 68	69 - 76	77 - 84	85 - 92	93 - 100	101 - 108
No. of plants	18	5	9	10	5	20

(iii)

Height (in cm)	61 - 68	69 - 76	77 - 84	85 - 92	93 - 100	101 - 108
No. of plants	18	5	5	10	5	20

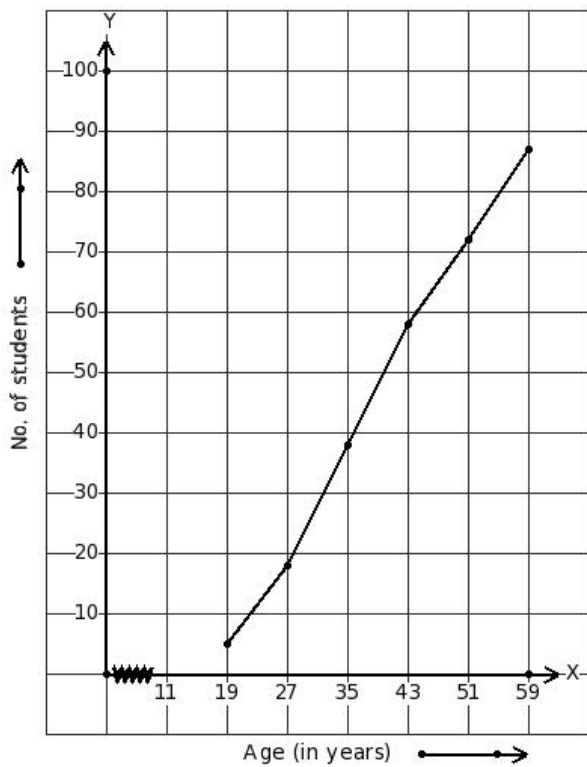
(iv)

Height (in cm)	61 - 68	69 - 76	77 - 84	85 - 92	93 - 100	101 - 108
No. of plants	18	5	9	13	5	20

(v)

Height (in cm)	61 - 68	69 - 76	77 - 84	85 - 92	93 - 100	101 - 108
No. of plants	18	9	5	10	5	20

27. Ages of 87 students (in years) are given below. Identify the frequency distribution table for the given ' less than ' ogive.



(i)

Age (in years)	11 - 19	19 - 27	27 - 35	35 - 43	43 - 51	51 - 59
No. of students	5	13	20	20	14	15

(ii)

Age (in years)	11 - 19	19 - 27	27 - 35	35 - 43	43 - 51	51 - 59
No. of students	5	13	15	20	14	15

(iii)

Age (in years)	11 - 19	19 - 27	27 - 35	35 - 43	43 - 51	51 - 59
No. of students	5	15	20	20	14	13

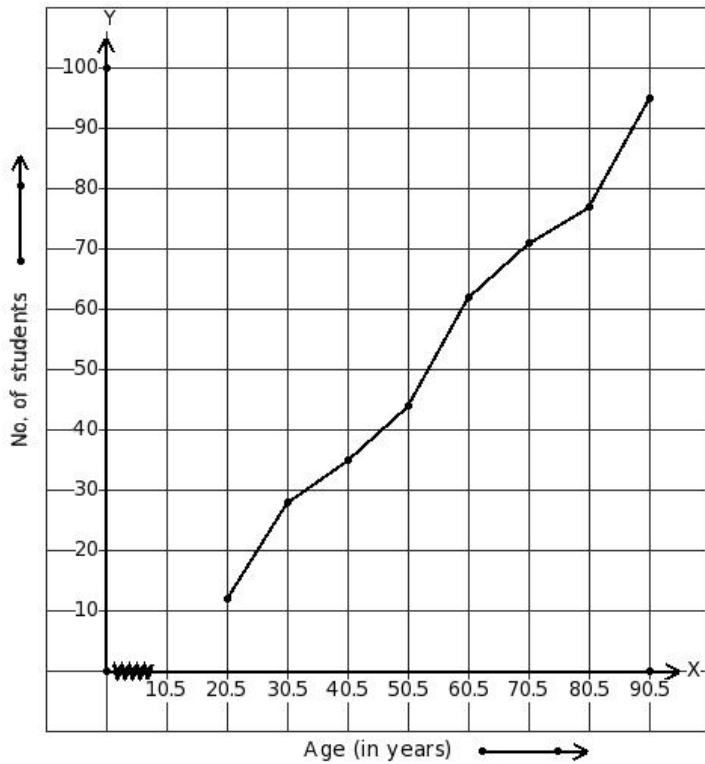
(iv)

Age (in years)	11 - 19	19 - 27	27 - 35	35 - 43	43 - 51	51 - 59
No. of students	5	20	13	20	14	15

(v)

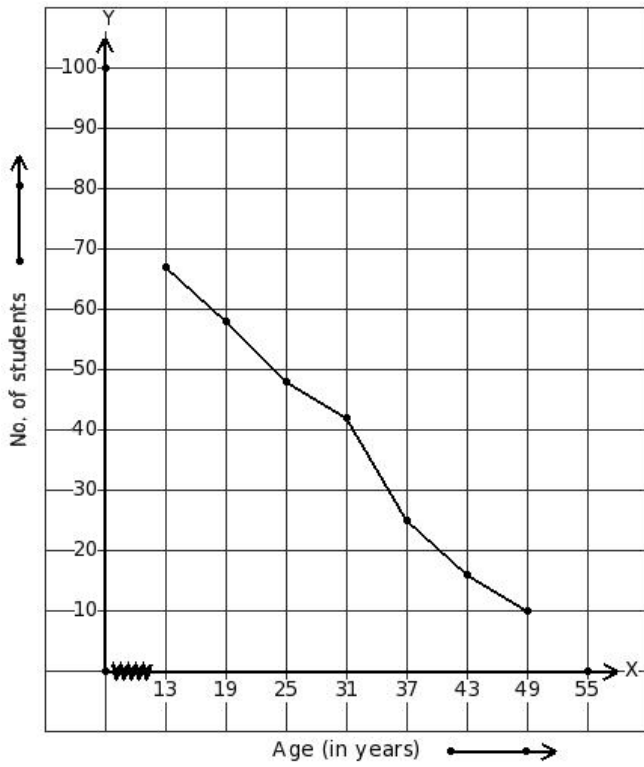
Age (in years)	11 - 19	19 - 27	27 - 35	35 - 43	43 - 51	51 - 59
No. of students	5	13	20	25	14	15

28. Ages of 95 students (in years) are given below. Identify the frequency distribution table for the given 'less than' ogive.



- (i)
- | Age (in years) | 11 - 20 | 21 - 30 | 31 - 40 | 41 - 50 | 51 - 60 | 61 - 70 | 71 - 80 | 81 - 90 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 12 | 16 | 7 | 9 | 20 | 9 | 6 | 18 |
- (ii)
- | Age (in years) | 11 - 20 | 21 - 30 | 31 - 40 | 41 - 50 | 51 - 60 | 61 - 70 | 71 - 80 | 81 - 90 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 12 | 16 | 9 | 7 | 18 | 9 | 6 | 18 |
- (iii)
- | Age (in years) | 11 - 20 | 21 - 30 | 31 - 40 | 41 - 50 | 51 - 60 | 61 - 70 | 71 - 80 | 81 - 90 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 12 | 18 | 7 | 9 | 18 | 9 | 6 | 16 |
- (iv)
- | Age (in years) | 11 - 20 | 21 - 30 | 31 - 40 | 41 - 50 | 51 - 60 | 61 - 70 | 71 - 80 | 81 - 90 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 12 | 16 | 7 | 9 | 18 | 9 | 6 | 18 |
- (v)
- | Age (in years) | 11 - 20 | 21 - 30 | 31 - 40 | 41 - 50 | 51 - 60 | 61 - 70 | 71 - 80 | 81 - 90 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 12 | 16 | 2 | 9 | 18 | 9 | 6 | 18 |

29. Ages of 67 students (in years) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Age (in years)	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49	49 - 55
No. of students	9	10	8	17	9	6	10

(ii)

Age (in years)	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49	49 - 55
No. of students	9	10	6	17	9	6	10

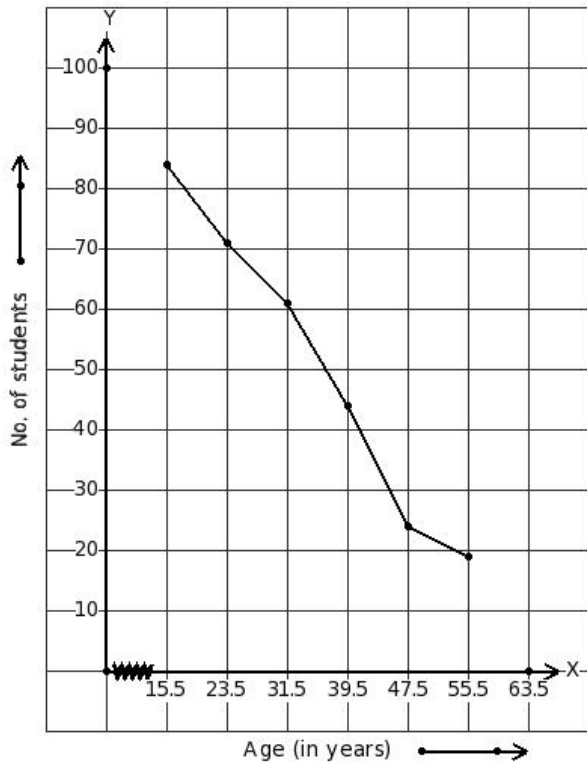
(iii)

Age (in years)	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49	49 - 55
No. of students	9	6	10	17	9	6	10

(iv)

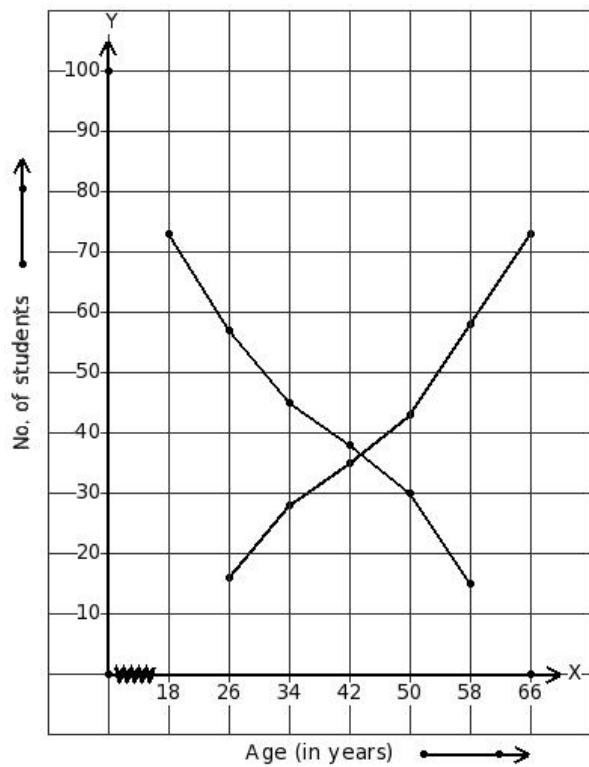
Age (in years)	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49	49 - 55
No. of students	9	10	6	21	9	6	10

30. Ages of 84 students (in years) are given below. Identify the frequency distribution table for the given 'more than' ogive.



- (i)
- | Age (in years) | 16 - 23 | 24 - 31 | 32 - 39 | 40 - 47 | 48 - 55 | 56 - 63 |
|-----------------|---------|---------|---------|---------|---------|---------|
| No. of students | 13 | 19 | 17 | 20 | 5 | 10 |
- (ii)
- | Age (in years) | 16 - 23 | 24 - 31 | 32 - 39 | 40 - 47 | 48 - 55 | 56 - 63 |
|-----------------|---------|---------|---------|---------|---------|---------|
| No. of students | 13 | 10 | 14 | 20 | 5 | 19 |
- (iii)
- | Age (in years) | 16 - 23 | 24 - 31 | 32 - 39 | 40 - 47 | 48 - 55 | 56 - 63 |
|-----------------|---------|---------|---------|---------|---------|---------|
| No. of students | 13 | 10 | 17 | 20 | 5 | 19 |
- (iv)
- | Age (in years) | 16 - 23 | 24 - 31 | 32 - 39 | 40 - 47 | 48 - 55 | 56 - 63 |
|-----------------|---------|---------|---------|---------|---------|---------|
| No. of students | 13 | 10 | 17 | 18 | 5 | 19 |
- (v)
- | Age (in years) | 16 - 23 | 24 - 31 | 32 - 39 | 40 - 47 | 48 - 55 | 56 - 63 |
|-----------------|---------|---------|---------|---------|---------|---------|
| No. of students | 13 | 17 | 10 | 20 | 5 | 19 |

31. Ages of 73 students (in years) are given below. Identify the frequency distribution table for the given ' median ' ogive.



(i)

Age (in years)	18 - 26	26 - 34	34 - 42	42 - 50	50 - 58	58 - 66
No. of students	16	15	7	8	15	12

(ii)

Age (in years)	18 - 26	26 - 34	34 - 42	42 - 50	50 - 58	58 - 66
No. of students	16	12	7	4	15	15

(iii)

Age (in years)	18 - 26	26 - 34	34 - 42	42 - 50	50 - 58	58 - 66
No. of students	16	12	4	8	15	15

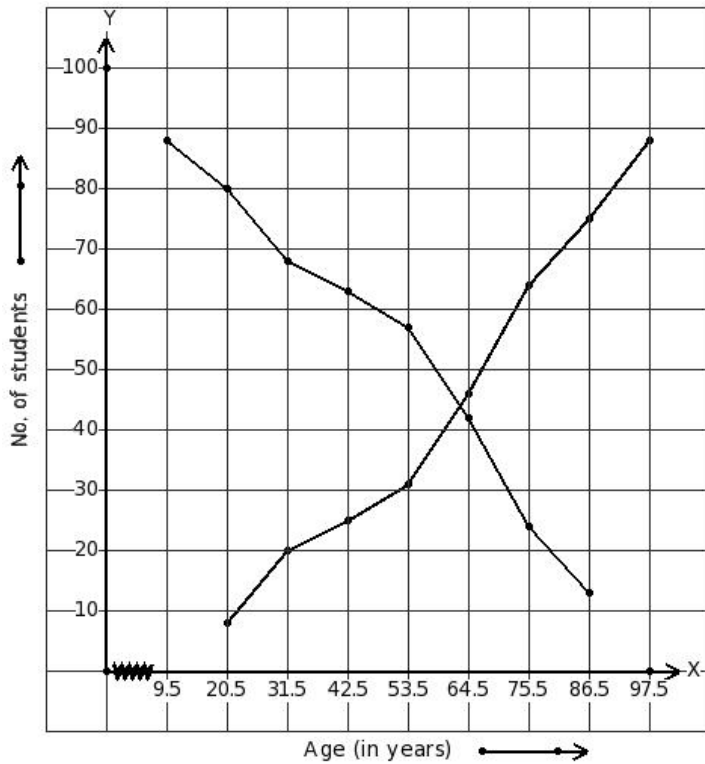
(iv)

Age (in years)	18 - 26	26 - 34	34 - 42	42 - 50	50 - 58	58 - 66
No. of students	16	7	12	8	15	15

(v)

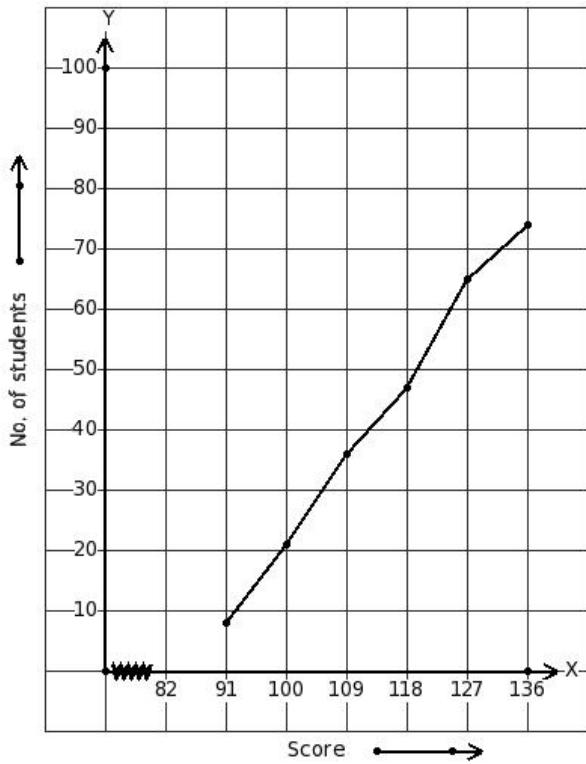
Age (in years)	18 - 26	26 - 34	34 - 42	42 - 50	50 - 58	58 - 66
No. of students	16	12	7	8	15	15

32. Ages of 88 students (in years) are given below. Identify the frequency distribution table for the given ' median ' ogive.



- (i)
- | Age (in years) | 10 - 20 | 21 - 31 | 32 - 42 | 43 - 53 | 54 - 64 | 65 - 75 | 76 - 86 | 87 - 97 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 8 | 13 | 5 | 6 | 15 | 18 | 11 | 12 |
- (ii)
- | Age (in years) | 10 - 20 | 21 - 31 | 32 - 42 | 43 - 53 | 54 - 64 | 65 - 75 | 76 - 86 | 87 - 97 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 8 | 12 | 5 | 6 | 12 | 18 | 11 | 13 |
- (iii)
- | Age (in years) | 10 - 20 | 21 - 31 | 32 - 42 | 43 - 53 | 54 - 64 | 65 - 75 | 76 - 86 | 87 - 97 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 8 | 12 | 9 | 6 | 15 | 18 | 11 | 13 |
- (iv)
- | Age (in years) | 10 - 20 | 21 - 31 | 32 - 42 | 43 - 53 | 54 - 64 | 65 - 75 | 76 - 86 | 87 - 97 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 8 | 12 | 6 | 5 | 15 | 18 | 11 | 13 |
- (v)
- | Age (in years) | 10 - 20 | 21 - 31 | 32 - 42 | 43 - 53 | 54 - 64 | 65 - 75 | 76 - 86 | 87 - 97 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| No. of students | 8 | 12 | 5 | 6 | 15 | 18 | 11 | 13 |

33. Scores of 74 students are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Score	82 - 91	91 - 100	100 - 109	109 - 118	118 - 127	127 - 136
No. of students	8	9	15	11	18	13

(ii)

Score	82 - 91	91 - 100	100 - 109	109 - 118	118 - 127	127 - 136
No. of students	8	13	15	11	18	9

(iii)

Score	82 - 91	91 - 100	100 - 109	109 - 118	118 - 127	127 - 136
No. of students	8	13	15	15	18	9

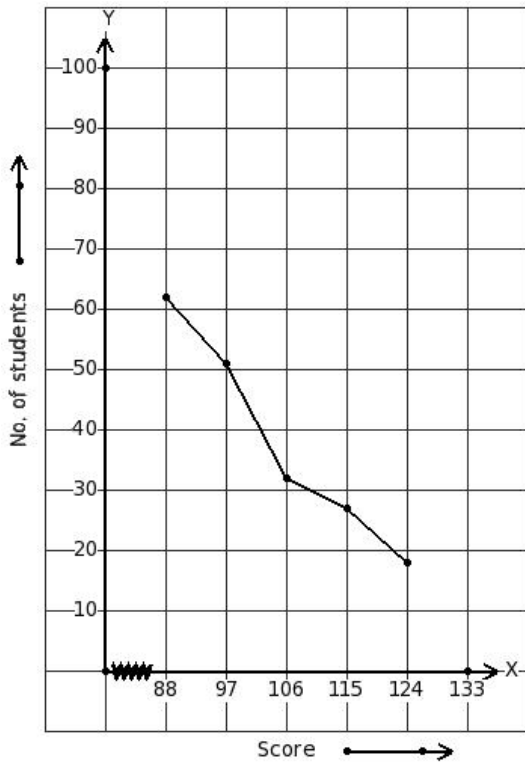
(iv)

Score	82 - 91	91 - 100	100 - 109	109 - 118	118 - 127	127 - 136
No. of students	8	13	19	11	18	9

(v)

Score	82 - 91	91 - 100	100 - 109	109 - 118	118 - 127	127 - 136
No. of students	8	15	13	11	18	9

34. Scores of 62 students are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Score	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	11	19	3	9	18

(ii)

Score	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	11	18	5	9	19

(iii)

Score	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	11	16	5	9	18

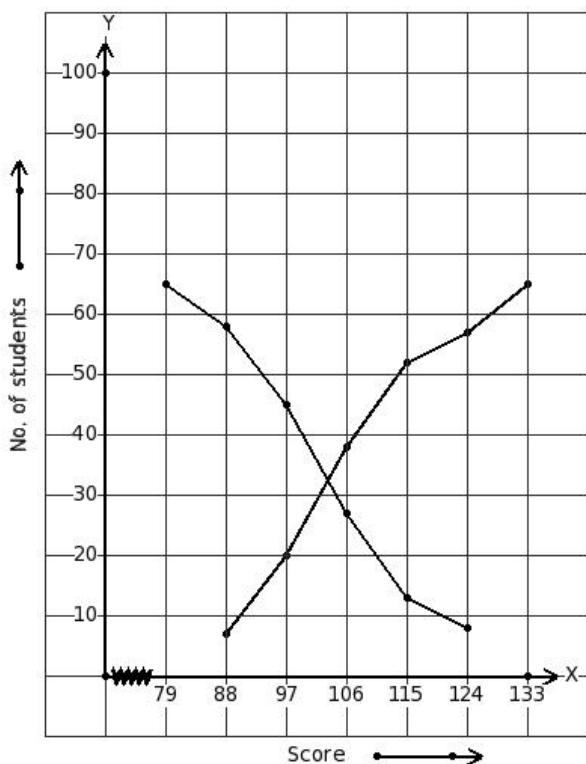
(iv)

Score	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	11	19	5	9	18

(v)

Score	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	11	5	19	9	18

35. Scores of 65 students are given below. Identify the frequency distribution table for the given ' median ' ogive.



(i)

Score	79 - 88	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	7	13	18	19	5	8

(ii)

Score	79 - 88	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	7	8	18	14	5	13

(iii)

Score	79 - 88	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	7	13	22	14	5	8

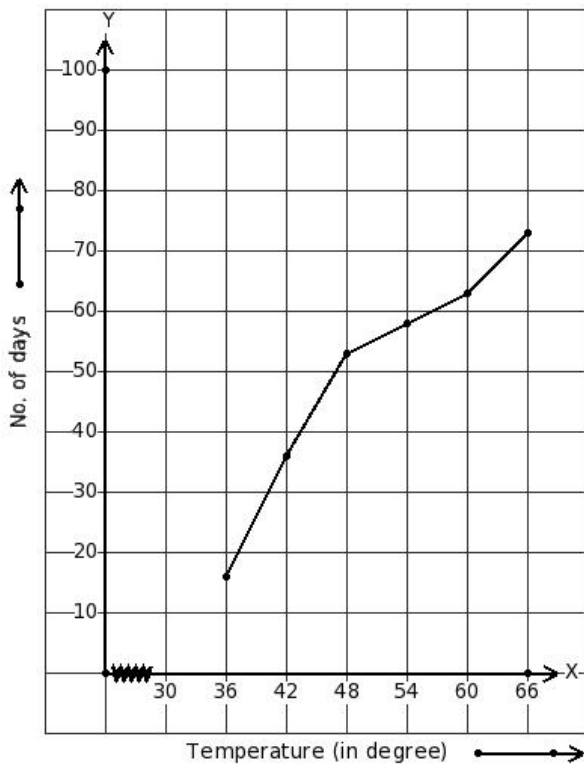
(iv)

Score	79 - 88	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	7	13	18	14	5	8

(v)

Score	79 - 88	88 - 97	97 - 106	106 - 115	115 - 124	124 - 133
No. of students	7	18	13	14	5	8

36. Temperatures of 73 days (in °C) are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Temperature (in degree)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66
No. of days	16	20	17	5	5	10

(ii)

Temperature (in degree)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66
No. of days	16	20	17	10	5	10

(iii)

Temperature (in degree)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66
No. of days	16	20	12	5	5	10

(iv)

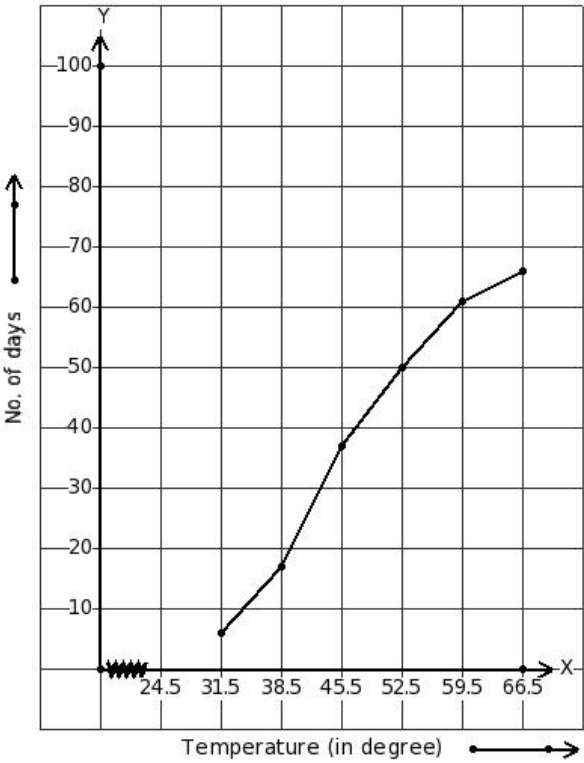
Temperature (in degree)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66
No. of days	16	10	17	5	5	20

(v)

Temperature (in degree)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66
No. of days	16	17	20	5	5	10

37.

Temperatures of 66 days (in °C) are given below. Identify the frequency distribution table for the given 'less than' ogive.



- (i)

Temperature (in degree)	25 - 31	32 - 38	39 - 45	46 - 52	53 - 59	60 - 66
No. of days	6	11	16	13	11	5
- (ii)

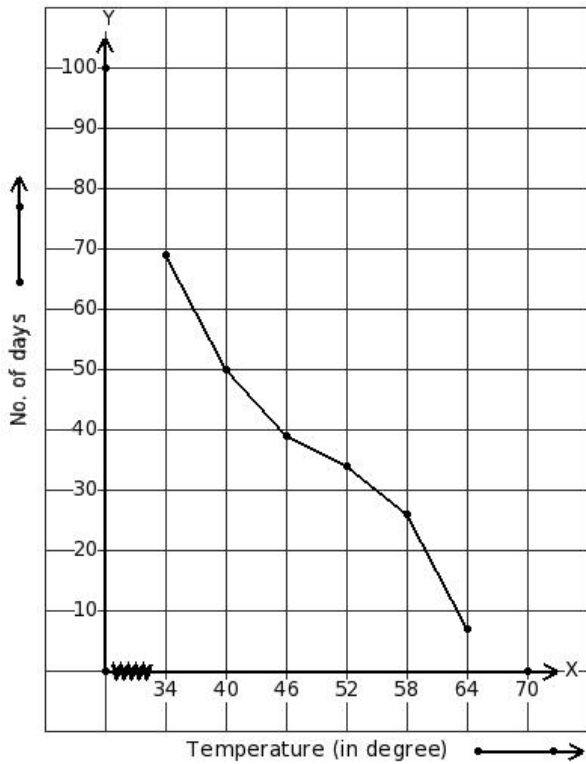
Temperature (in degree)	25 - 31	32 - 38	39 - 45	46 - 52	53 - 59	60 - 66
No. of days	6	11	20	15	11	5
- (iii)

Temperature (in degree)	25 - 31	32 - 38	39 - 45	46 - 52	53 - 59	60 - 66
No. of days	6	5	20	13	11	11
- (iv)

Temperature (in degree)	25 - 31	32 - 38	39 - 45	46 - 52	53 - 59	60 - 66
No. of days	6	11	20	13	11	5
- (v)

Temperature (in degree)	25 - 31	32 - 38	39 - 45	46 - 52	53 - 59	60 - 66
No. of days	6	20	11	13	11	5

38. Temperatures of 69 days (in °C) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Temperature (in degree)	34 - 40	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70
No. of days	19	11	9	8	19	7

(ii)

Temperature (in degree)	34 - 40	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70
No. of days	19	5	11	8	19	7

(iii)

Temperature (in degree)	34 - 40	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70
No. of days	19	7	5	8	19	11

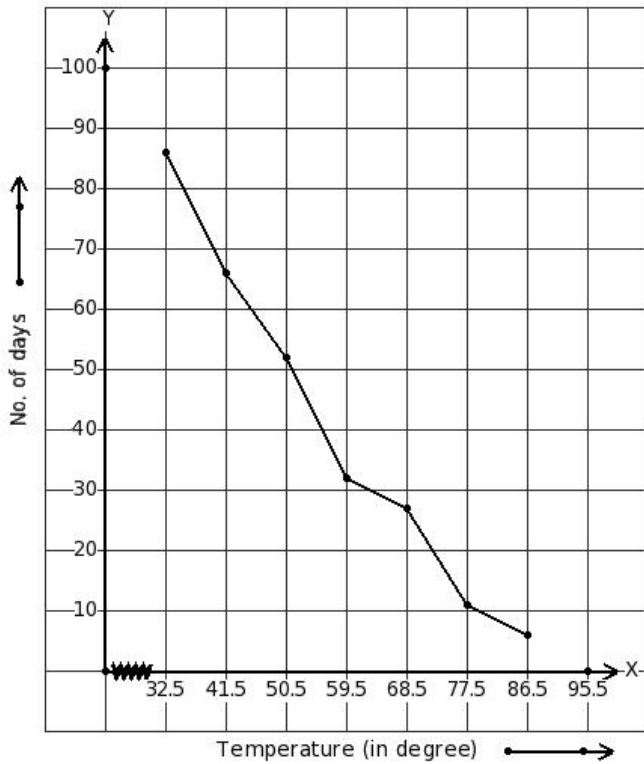
(iv)

Temperature (in degree)	34 - 40	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70
No. of days	19	11	5	8	19	7

(v)

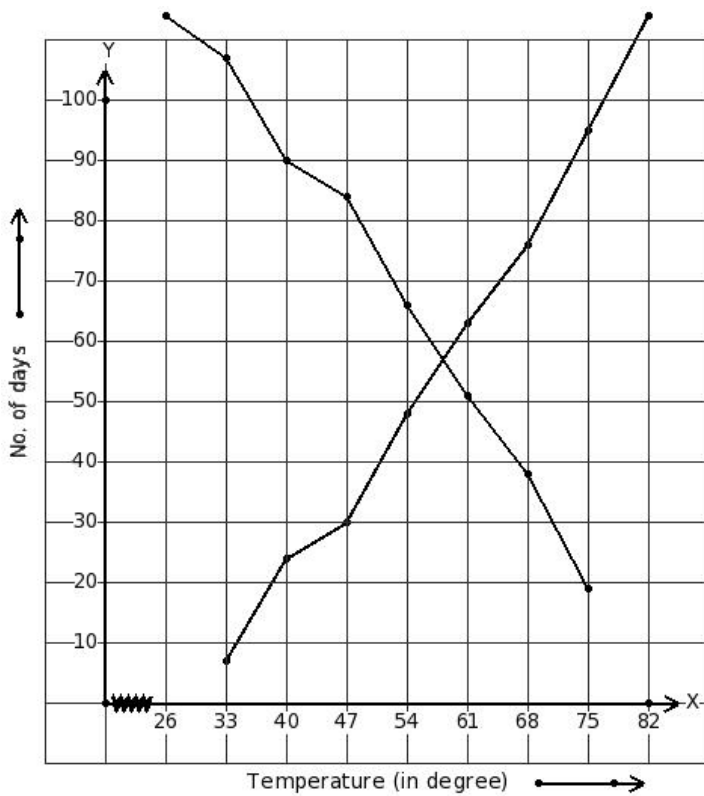
Temperature (in degree)	34 - 40	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70
No. of days	19	11	5	3	19	7

39. Temperatures of 86 days (in °C) are given Identify the frequency distribution table for the given more than 'ogive. below.



- (i)
- | Temperature (in degree) | 33 - 41 | 42 - 50 | 51 - 59 | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 20 | 14 | 20 | 9 | 16 | 5 | 6 |
- (ii)
- | Temperature (in degree) | 33 - 41 | 42 - 50 | 51 - 59 | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 20 | 14 | 24 | 5 | 16 | 5 | 6 |
- (iii)
- | Temperature (in degree) | 33 - 41 | 42 - 50 | 51 - 59 | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 20 | 14 | 20 | 5 | 16 | 5 | 6 |
- (iv)
- | Temperature (in degree) | 33 - 41 | 42 - 50 | 51 - 59 | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 20 | 6 | 20 | 5 | 16 | 5 | 14 |
- (v)
- | Temperature (in degree) | 33 - 41 | 42 - 50 | 51 - 59 | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 20 | 20 | 14 | 5 | 16 | 5 | 6 |

40. Temperatures of 114 days (in °C) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Temperature (in degree)	26 - 33	33 - 40	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of days	7	17	6	18	12	13	19	19

(ii)

Temperature (in degree)	26 - 33	33 - 40	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of days	7	17	6	18	15	13	19	19

(iii)

Temperature (in degree)	26 - 33	33 - 40	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of days	7	17	18	6	15	13	19	19

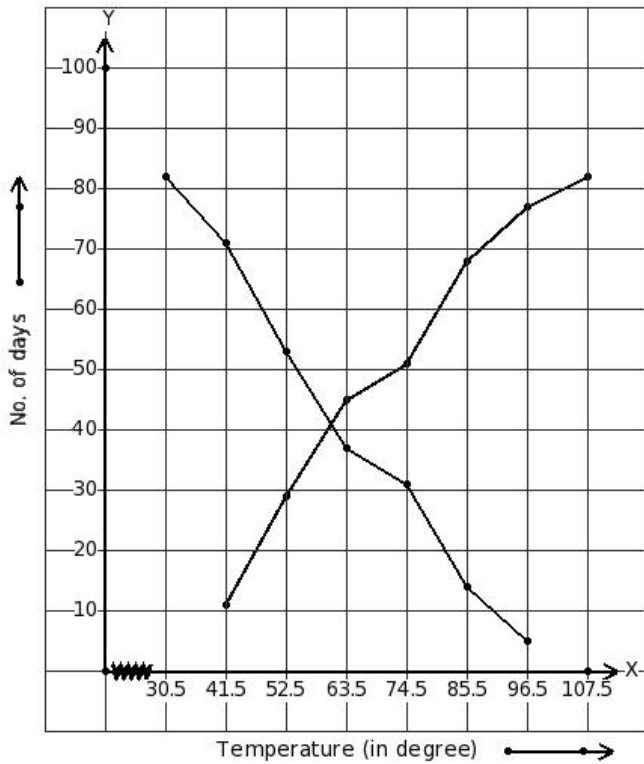
(iv)

Temperature (in degree)	26 - 33	33 - 40	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of days	7	17	10	18	15	13	19	19

(v)

Temperature (in degree)	26 - 33	33 - 40	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of days	7	19	6	18	15	13	19	17

41. Temperatures of 82 days (in °C) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Temperature (in degree)	31 - 41	42 - 52	53 - 63	64 - 74	75 - 85	86 - 96	97 - 107
No. of days	11	18	16	3	17	9	5

(ii)

Temperature (in degree)	31 - 41	42 - 52	53 - 63	64 - 74	75 - 85	86 - 96	97 - 107
No. of days	11	16	18	6	17	9	5

(iii)

Temperature (in degree)	31 - 41	42 - 52	53 - 63	64 - 74	75 - 85	86 - 96	97 - 107
No. of days	11	18	21	6	17	9	5

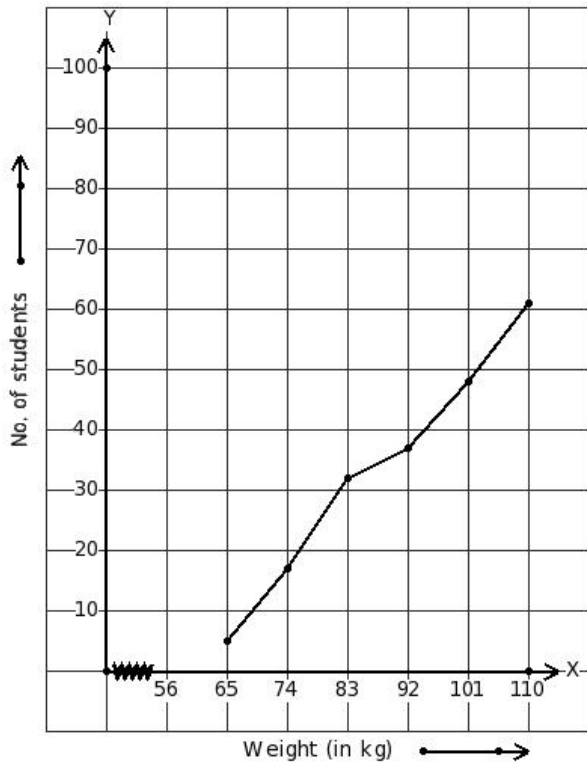
(iv)

Temperature (in degree)	31 - 41	42 - 52	53 - 63	64 - 74	75 - 85	86 - 96	97 - 107
No. of days	11	5	16	6	17	9	18

(v)

Temperature (in degree)	31 - 41	42 - 52	53 - 63	64 - 74	75 - 85	86 - 96	97 - 107
No. of days	11	18	16	6	17	9	5

42. Weights of 61 students (in kg) are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Weight (in kg)	56 - 65	65 - 74	74 - 83	83 - 92	92 - 101	101 - 110
No. of students	5	15	12	5	11	13

(ii)

Weight (in kg)	56 - 65	65 - 74	74 - 83	83 - 92	92 - 101	101 - 110
No. of students	5	12	15	5	11	13

(iii)

Weight (in kg)	56 - 65	65 - 74	74 - 83	83 - 92	92 - 101	101 - 110
No. of students	5	12	11	5	11	13

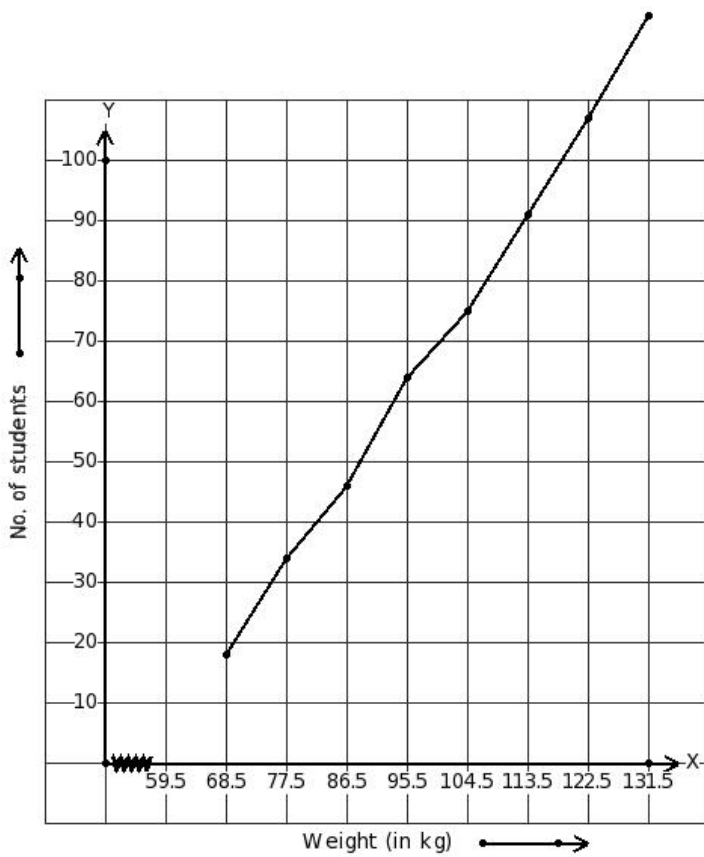
(iv)

Weight (in kg)	56 - 65	65 - 74	74 - 83	83 - 92	92 - 101	101 - 110
No. of students	5	12	15	7	11	13

(v)

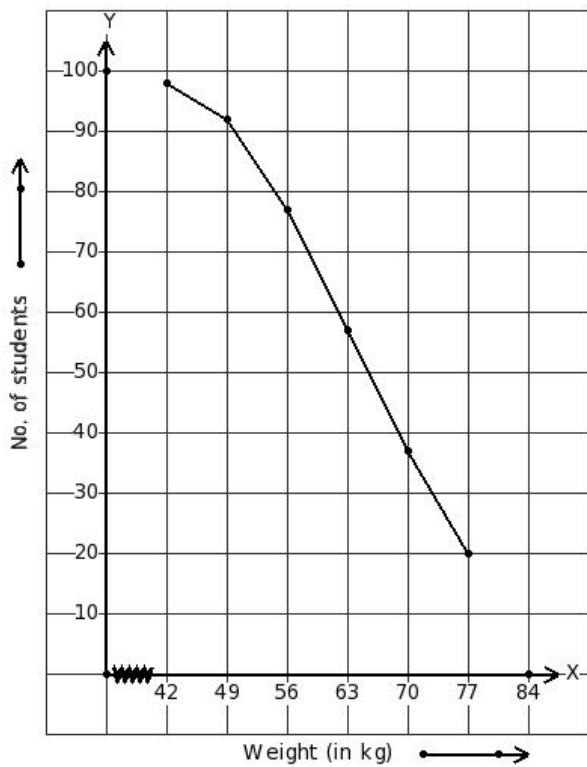
Weight (in kg)	56 - 65	65 - 74	74 - 83	83 - 92	92 - 101	101 - 110
No. of students	5	13	15	5	11	12

43. Weights of 124 students (in kg) are given below. Identify the frequency distribution table for the given 'less than' ogive.



- (i)
- | Weight (in kg) | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 | 96 - 104 | 105 - 113 | 114 - 122 | 123 - 131 |
|-----------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of students | 18 | 17 | 12 | 18 | 11 | 16 | 16 | 16 |
- (ii)
- | Weight (in kg) | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 | 96 - 104 | 105 - 113 | 114 - 122 | 123 - 131 |
|-----------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of students | 18 | 16 | 18 | 12 | 11 | 16 | 16 | 17 |
- (iii)
- | Weight (in kg) | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 | 96 - 104 | 105 - 113 | 114 - 122 | 123 - 131 |
|-----------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of students | 18 | 16 | 12 | 18 | 14 | 16 | 16 | 17 |
- (iv)
- | Weight (in kg) | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 | 96 - 104 | 105 - 113 | 114 - 122 | 123 - 131 |
|-----------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of students | 18 | 16 | 12 | 18 | 11 | 16 | 16 | 17 |
- (v)
- | Weight (in kg) | 60 - 68 | 69 - 77 | 78 - 86 | 87 - 95 | 96 - 104 | 105 - 113 | 114 - 122 | 123 - 131 |
|-----------------|---------|---------|---------|---------|----------|-----------|-----------|-----------|
| No. of students | 18 | 16 | 8 | 18 | 11 | 16 | 16 | 17 |

44. Weights of 98 students (in kg) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Weight (in kg)	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of students	6	20	15	20	17	20

(ii)

Weight (in kg)	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of students	6	15	18	20	17	20

(iii)

Weight (in kg)	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of students	6	20	20	20	17	15

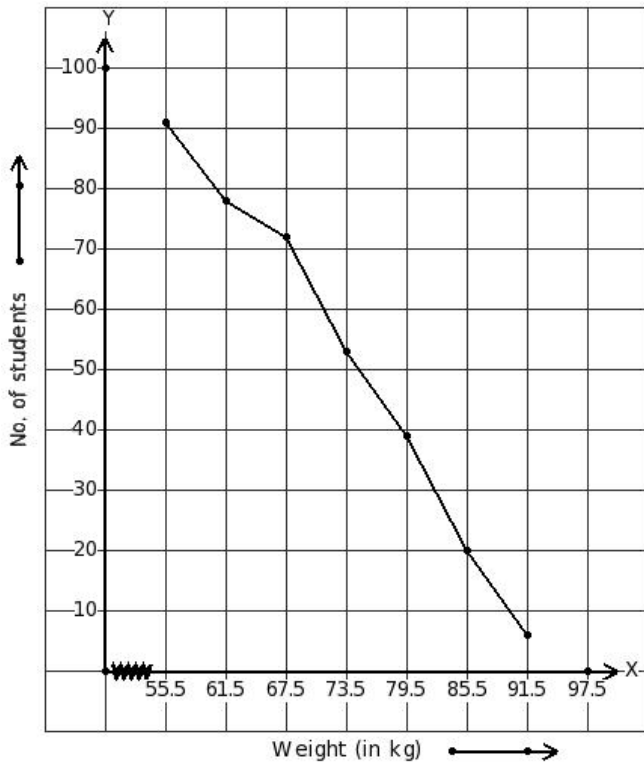
(iv)

Weight (in kg)	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of students	6	15	20	15	17	20

(v)

Weight (in kg)	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of students	6	15	20	20	17	20

45. Weights of 91 students (in kg) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Weight (in kg)	56 - 61	62 - 67	68 - 73	74 - 79	80 - 85	86 - 91	92 - 97
No. of students	13	6	19	14	19	14	6

(ii)

Weight (in kg)	56 - 61	62 - 67	68 - 73	74 - 79	80 - 85	86 - 91	92 - 97
No. of students	13	19	6	14	19	14	6

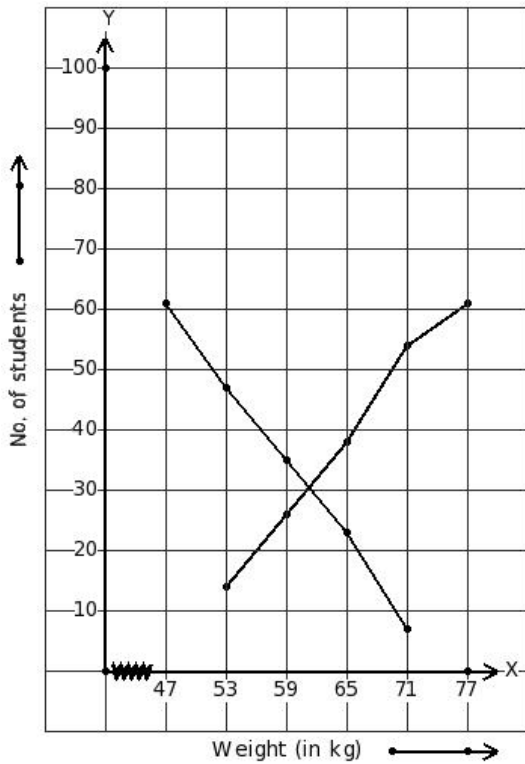
(iii)

Weight (in kg)	56 - 61	62 - 67	68 - 73	74 - 79	80 - 85	86 - 91	92 - 97
No. of students	13	6	19	11	19	14	6

(iv)

Weight (in kg)	56 - 61	62 - 67	68 - 73	74 - 79	80 - 85	86 - 91	92 - 97
No. of students	13	6	24	14	19	14	6

46. Weights of 61 students (in kg) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Weight (in kg)	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
No. of students	14	12	14	16	7

(ii)

Weight (in kg)	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
No. of students	14	7	12	16	12

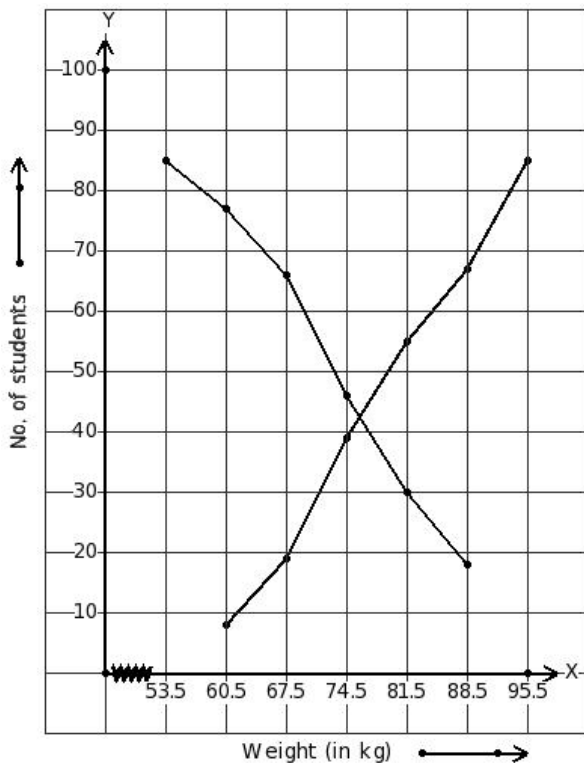
(iii)

Weight (in kg)	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
No. of students	14	12	12	16	7

(iv)

Weight (in kg)	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
No. of students	14	16	12	16	7

47. Weights of 85 students (in kg) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Weight (in kg)	54 - 60	61 - 67	68 - 74	75 - 81	82 - 88	89 - 95
No. of students	8	11	20	16	12	18

(ii)

Weight (in kg)	54 - 60	61 - 67	68 - 74	75 - 81	82 - 88	89 - 95
No. of students	8	11	20	16	12	18

No. of students	8	11	24	16	12	18
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(iii)

Weight (in kg)	54 - 60	61 - 67	68 - 74	75 - 81	82 - 88	89 - 95
No. of students	8	18	20	16	12	11

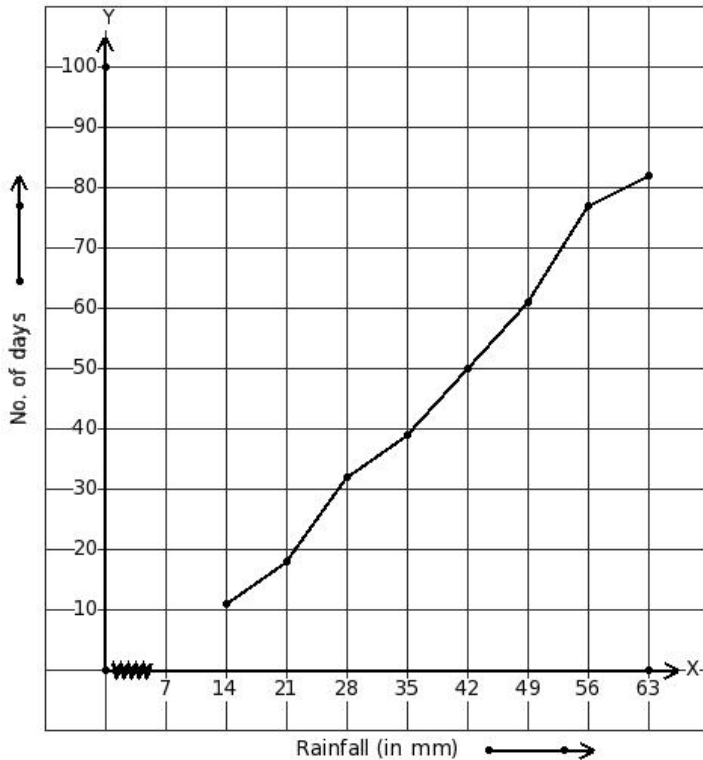
(iv)

Weight (in kg)	54 - 60	61 - 67	68 - 74	75 - 81	82 - 88	89 - 95
No. of students	8	20	11	16	12	18

(v)

Weight (in kg)	54 - 60	61 - 67	68 - 74	75 - 81	82 - 88	89 - 95
No. of students	8	11	20	13	12	18

48. Rainfall of 82 days (in mm) are given below. Identify the frequency distribution table for the given 'less than' ogive.



(i)

Rainfall (in mm)	7 - 14	14 - 21	21 - 28	28 - 35	35 - 42	42 - 49	49 - 56	56 - 63
No. of days	11	7	14	7	9	11	16	5

(ii)

Rainfall (in mm)	7 - 14	14 - 21	21 - 28	28 - 35	35 - 42	42 - 49	49 - 56	56 - 63
No. of days	11	5	14	7	11	11	16	7

(iii)

Rainfall (in mm)	7 - 14	14 - 21	21 - 28	28 - 35	35 - 42	42 - 49	49 - 56	56 - 63
No. of days	11	7	14	7	11	11	16	5

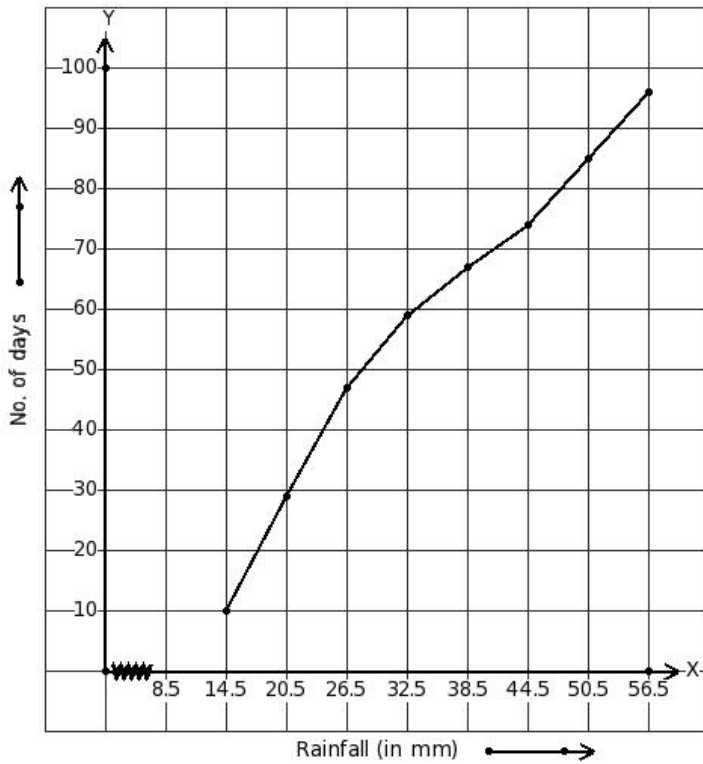
(iv)

Rainfall (in mm)	7 - 14	14 - 21	21 - 28	28 - 35	35 - 42	42 - 49	49 - 56	56 - 63
No. of days	11	7	7	14	11	11	16	5

(v)

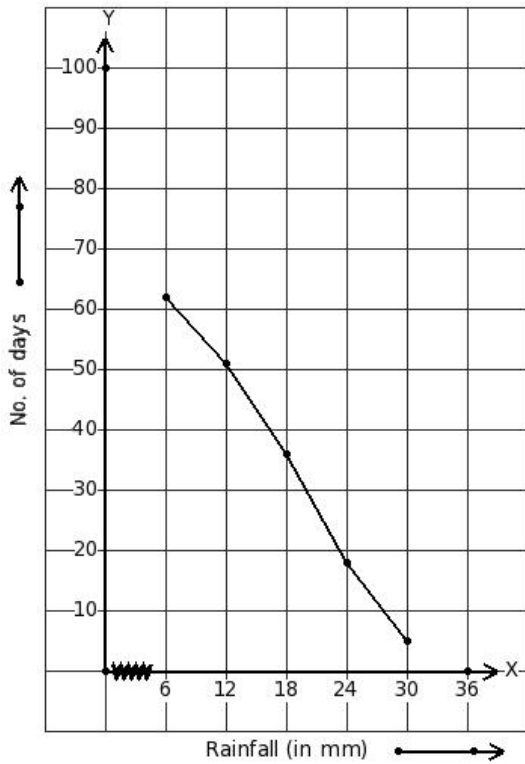
Rainfall (in mm)	7 - 14	14 - 21	21 - 28	28 - 35	35 - 42	42 - 49	49 - 56	56 - 63
No. of days	11	7	19	7	11	11	16	5

49. Rainfall of 96 days (in mm) are given below. Identify the frequency distribution table for the given 'less than' ogive.



- (i)
- | Rainfall (in mm) | 9 - 14 | 15 - 20 | 21 - 26 | 27 - 32 | 33 - 38 | 39 - 44 | 45 - 50 | 51 - 56 |
|------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 10 | 11 | 18 | 12 | 8 | 7 | 11 | 19 |
- (ii)
- | Rainfall (in mm) | 9 - 14 | 15 - 20 | 21 - 26 | 27 - 32 | 33 - 38 | 39 - 44 | 45 - 50 | 51 - 56 |
|------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 10 | 19 | 20 | 12 | 8 | 7 | 11 | 11 |
- (iii)
- | Rainfall (in mm) | 9 - 14 | 15 - 20 | 21 - 26 | 27 - 32 | 33 - 38 | 39 - 44 | 45 - 50 | 51 - 56 |
|------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 10 | 19 | 18 | 12 | 8 | 7 | 11 | 11 |
- (iv)
- | Rainfall (in mm) | 9 - 14 | 15 - 20 | 21 - 26 | 27 - 32 | 33 - 38 | 39 - 44 | 45 - 50 | 51 - 56 |
|------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 10 | 19 | 12 | 18 | 8 | 7 | 11 | 11 |
- (v)
- | Rainfall (in mm) | 9 - 14 | 15 - 20 | 21 - 26 | 27 - 32 | 33 - 38 | 39 - 44 | 45 - 50 | 51 - 56 |
|------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| No. of days | 10 | 19 | 18 | 12 | 13 | 7 | 11 | 11 |

50. Rainfall of 62 days (in mm) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Rainfall (in mm)	6 - 12	12 - 18	18 - 24	24 - 30	30 - 36
No. of days	11	18	15	13	5

(ii)

Rainfall (in mm)	6 - 12	12 - 18	18 - 24	24 - 30	30 - 36
No. of days	11	15	20	13	5

(iii)

Rainfall (in mm)	6 - 12	12 - 18	18 - 24	24 - 30	30 - 36
No. of days	11	5	18	13	15

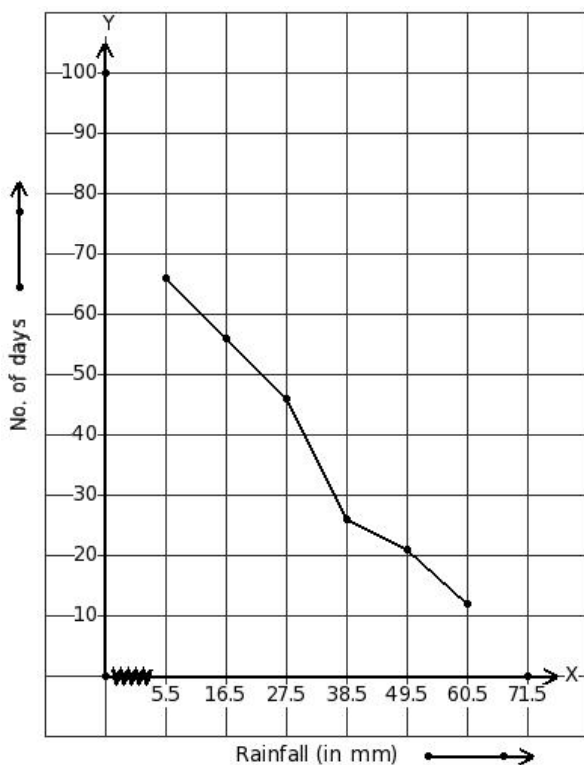
(iv)

Rainfall (in mm)	6 - 12	12 - 18	18 - 24	24 - 30	30 - 36
No. of days	11	18	18	13	5

(v)

Rainfall (in mm)	6 - 12	12 - 18	18 - 24	24 - 30	30 - 36
No. of days	11	15	18	13	5

51. Rainfall of 66 days (in mm) are given below. Identify the frequency distribution table for the given 'more than' ogive.



(i)

Rainfall (in mm)	6 - 16	17 - 27	28 - 38	39 - 49	50 - 60	61 - 71
No. of days						

No. of days	10	10	20	5	9	12
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(ii)

Rainfall (in mm)	6 - 16	17 - 27	28 - 38	39 - 49	50 - 60	61 - 71
No. of days	10	12	20	5	9	10

(iii)

Rainfall (in mm)	6 - 16	17 - 27	28 - 38	39 - 49	50 - 60	61 - 71
No. of days	10	10	20	9	9	12

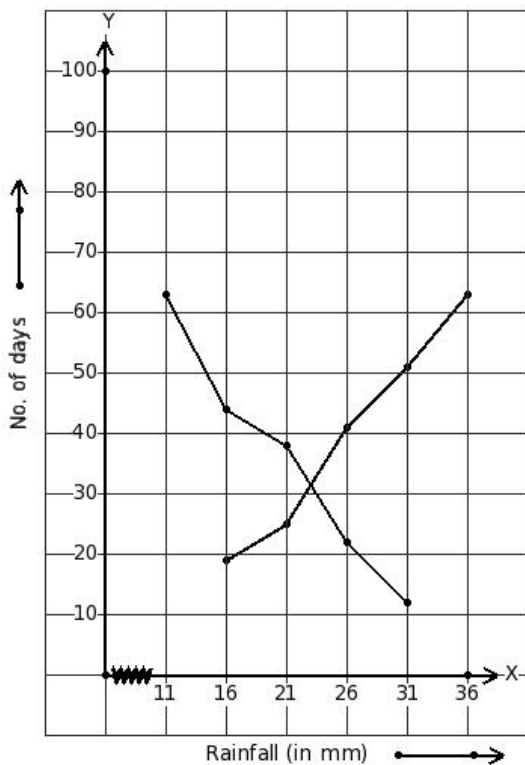
(iv)

Rainfall (in mm)	6 - 16	17 - 27	28 - 38	39 - 49	50 - 60	61 - 71
No. of days	10	10	15	5	9	12

(v)

Rainfall (in mm)	6 - 16	17 - 27	28 - 38	39 - 49	50 - 60	61 - 71
No. of days	10	20	10	5	9	12

52. Rainfall of 63 days (in mm) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Rainfall (in mm)	11 - 16	16 - 21	21 - 26	26 - 31	31 - 36
No. of days	19	6	18	10	12

(ii)

Rainfall (in mm)	11 - 16	16 - 21	21 - 26	26 - 31	31 - 36
No. of days	19	6	16	10	12

(iii)

Rainfall (in mm)	11 - 16	16 - 21	21 - 26	26 - 31	31 - 36
No. of days	19	16	6	10	12

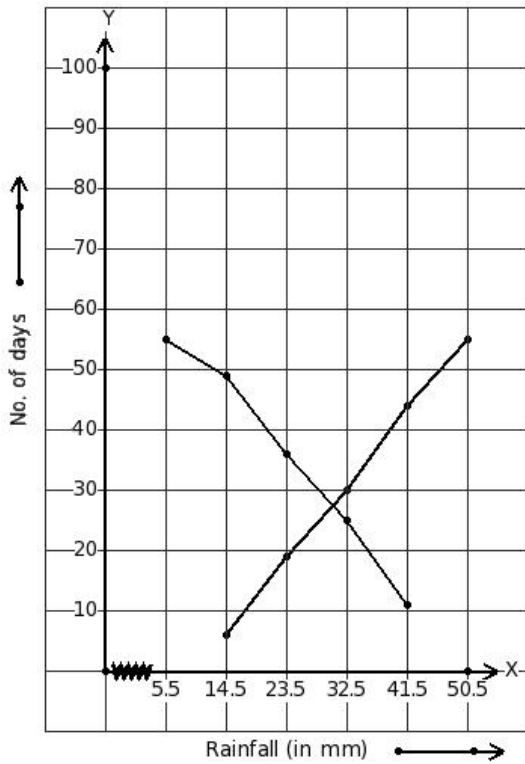
(iv)

Rainfall (in mm)	11 - 16	16 - 21	21 - 26	26 - 31	31 - 36
No. of days	19	1	16	10	12

(v)

Rainfall (in mm)	11 - 16	16 - 21	21 - 26	26 - 31	31 - 36
No. of days	19	12	16	10	6

53. Rainfall of 55 days (in mm) are given below. Identify the frequency distribution table for the given 'median' ogive.



(i)

Rainfall (in mm)	6 - 14	15 - 23	24 - 32	33 - 41	42 - 50
No. of days	6	11	11	14	13

(ii)

Rainfall (in mm)	6 - 14	15 - 23	24 - 32	33 - 41	42 - 50
No. of days	6	13	6	14	11

(iii)

Rainfall (in mm)	6 - 14	15 - 23	24 - 32	33 - 41	42 - 50
No. of days	6	13	11	14	11

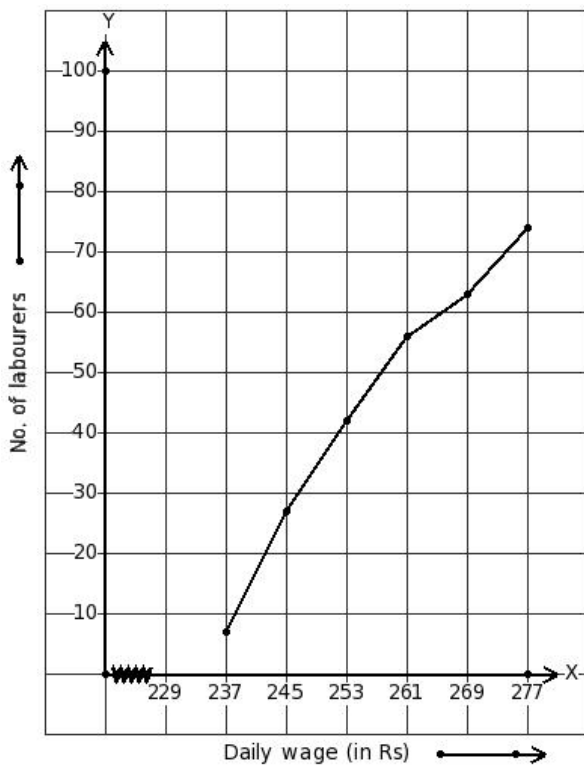
(iv)

Rainfall (in mm)	6 - 14	15 - 23	24 - 32	33 - 41	42 - 50
No. of days	6	11	13	14	11

(v)

Rainfall (in mm)	6 - 14	15 - 23	24 - 32	33 - 41	42 - 50
No. of days	6	18	11	14	11

54. Daily wages of 74 labourers (in ₹) are given below. Identify the frequency distribution table for the less than 'ogive.



(i)

Daily wage (in Rs)	229 - 237	237 - 245	245 - 253	253 - 261	261 - 269	269 - 277
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No. of labourers	7	20	15	14	7	11
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(ii)

Daily wage (in Rs)	229 - 237	237 - 245	245 - 253	253 - 261	261 - 269	269 - 277
No. of labourers	7	20	18	14	7	11

(iii)

Daily wage (in Rs)	229 - 237	237 - 245	245 - 253	253 - 261	261 - 269	269 - 277
No. of labourers	7	15	20	14	7	11

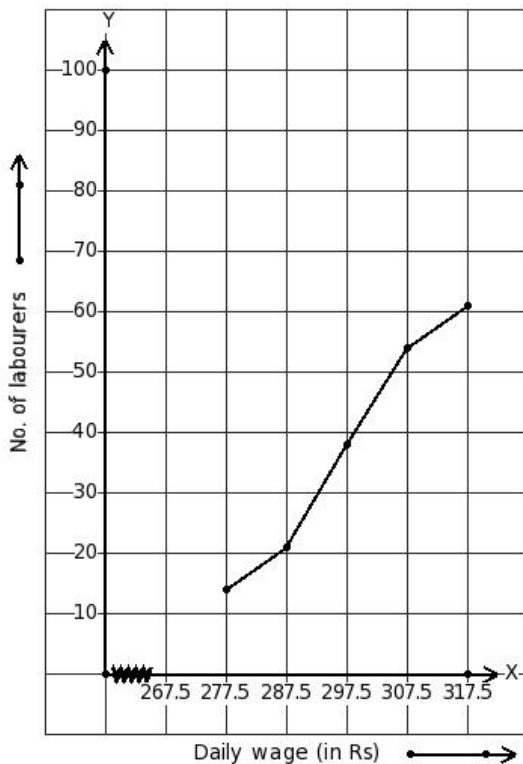
(iv)

Daily wage (in Rs)	229 - 237	237 - 245	245 - 253	253 - 261	261 - 269	269 - 277
No. of labourers	7	11	15	14	7	20

(v)

Daily wage (in Rs)	229 - 237	237 - 245	245 - 253	253 - 261	261 - 269	269 - 277
No. of labourers	7	20	15	19	7	11

55. Daily wages of 61 labourers (in ₹) are given Identify the frequency distribution table for the less than ogive.



(i)

Daily wage (in Rs)	268 - 277	278 - 287	288 - 297	298 - 307	308 - 317
No. of labourers	14	7	17	16	7

(ii)

Daily wage (in Rs)	268 - 277	278 - 287	288 - 297	298 - 307	308 - 317
No. of labourers	14	7	14	16	7

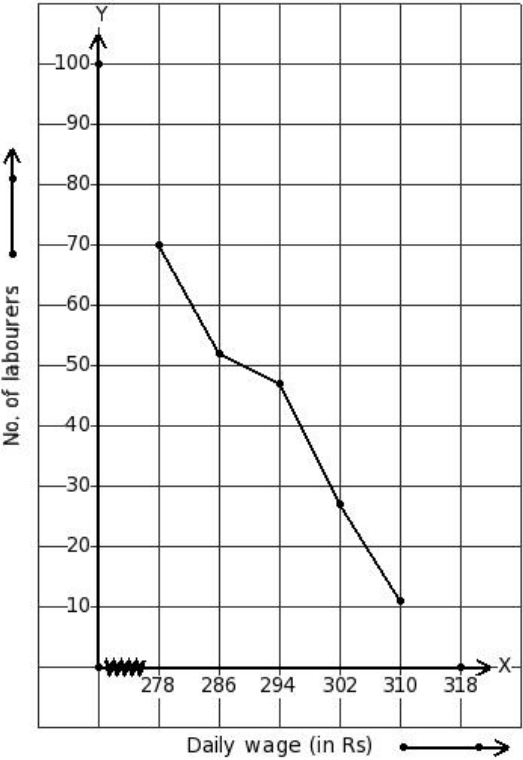
(iii)

Daily wage (in Rs)	268 - 277	278 - 287	288 - 297	298 - 307	308 - 317
No. of labourers	14	17	7	16	7

(iv)

Daily wage (in Rs)	268 - 277	278 - 287	288 - 297	298 - 307	308 - 317
No. of labourers	14	4	17	16	7

56. Daily wages of 70 labourers (in ₹) are given Identify the frequency distribution table for the more than ogive.



- (i)

Daily wage (in Rs)	278 - 286	286 - 294	294 - 302	302 - 310	310 - 318
No. of labourers	18	11	20	16	5
- (ii)

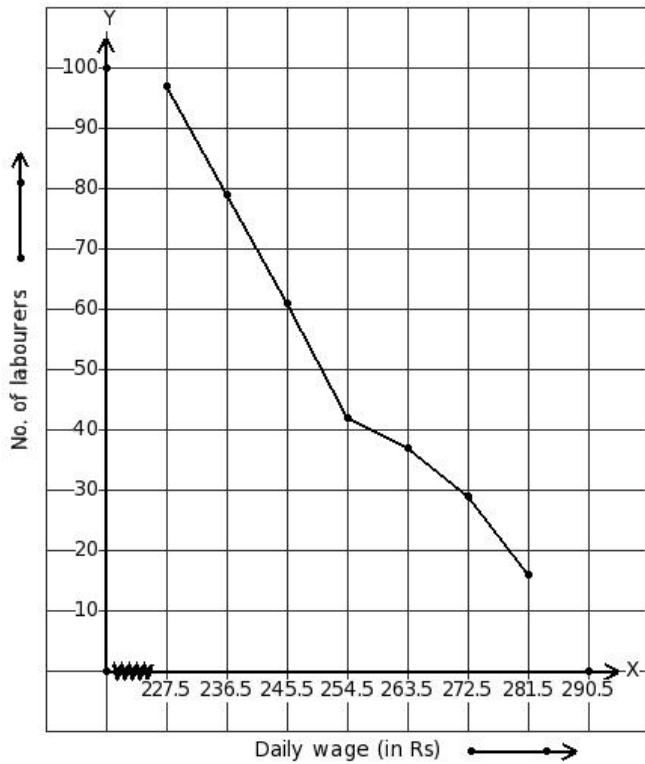
Daily wage (in Rs)	278 - 286	286 - 294	294 - 302	302 - 310	310 - 318
No. of labourers	18	20	5	16	11
- (iii)

Daily wage (in Rs)	278 - 286	286 - 294	294 - 302	302 - 310	310 - 318
No. of labourers	18	5	20	16	11
- (iv)

Daily wage (in Rs)	278 - 286	286 - 294	294 - 302	302 - 310	310 - 318
No. of labourers	18	3	20	16	11
- (v)

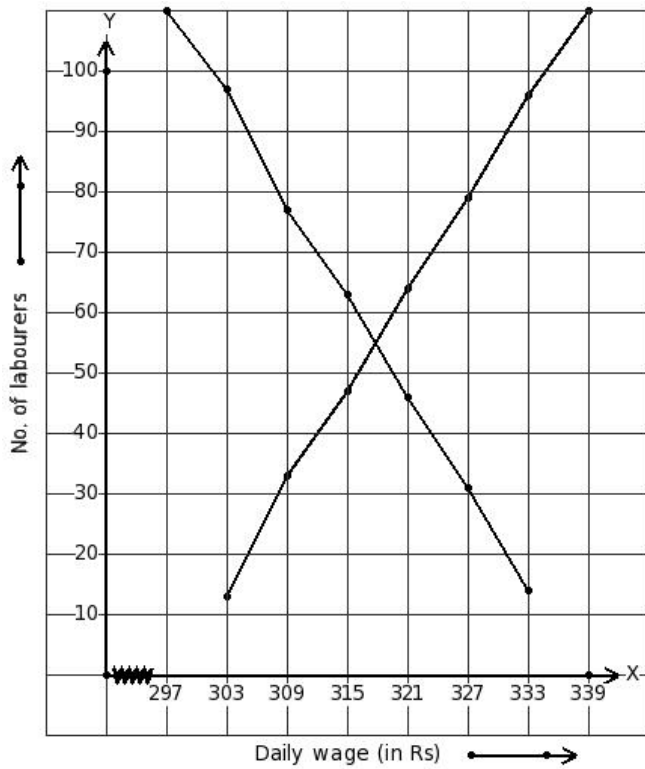
Daily wage (in Rs)	278 - 286	286 - 294	294 - 302	302 - 310	310 - 318
No. of labourers	18	5	25	16	11

57. Daily wages of 97 labourers (in ₹) are given Identify the frequency distribution table for the more than ogive.



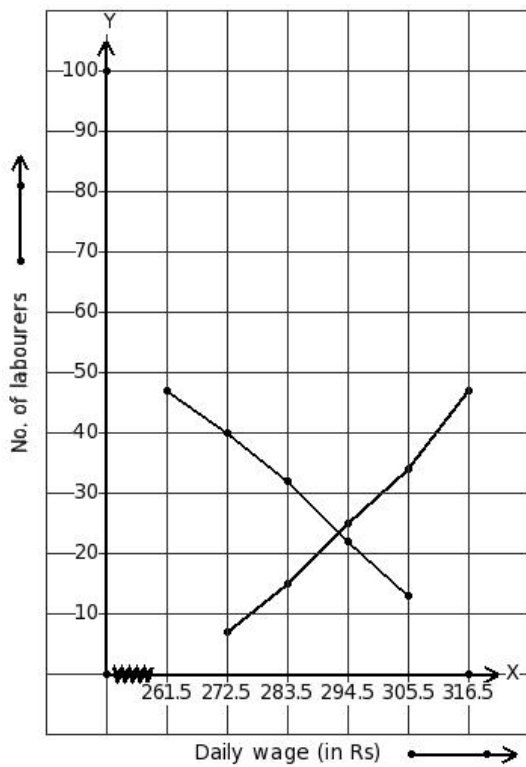
- (i)
- | Daily wage (in Rs) | 228 - 236 | 237 - 245 | 246 - 254 | 255 - 263 | 264 - 272 | 273 - 281 | 282 - 290 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 18 | 18 | 17 | 5 | 8 | 13 | 16 |
- (ii)
- | Daily wage (in Rs) | 228 - 236 | 237 - 245 | 246 - 254 | 255 - 263 | 264 - 272 | 273 - 281 | 282 - 290 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 18 | 19 | 18 | 5 | 8 | 13 | 16 |
- (iii)
- | Daily wage (in Rs) | 228 - 236 | 237 - 245 | 246 - 254 | 255 - 263 | 264 - 272 | 273 - 281 | 282 - 290 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 18 | 18 | 19 | 5 | 8 | 13 | 16 |
- (iv)
- | Daily wage (in Rs) | 228 - 236 | 237 - 245 | 246 - 254 | 255 - 263 | 264 - 272 | 273 - 281 | 282 - 290 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 18 | 18 | 19 | 2 | 8 | 13 | 16 |
- (v)
- | Daily wage (in Rs) | 228 - 236 | 237 - 245 | 246 - 254 | 255 - 263 | 264 - 272 | 273 - 281 | 282 - 290 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 18 | 16 | 19 | 5 | 8 | 13 | 18 |

58. Daily wages of 110 labourers (in ₹) are given below. Identify the frequency distribution table for the given median ogive.



- (i)
- | Daily wage (in Rs) | 297 - 303 | 303 - 309 | 309 - 315 | 315 - 321 | 321 - 327 | 327 - 333 | 333 - 339 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 13 | 14 | 20 | 17 | 15 | 17 | 14 |
- (ii)
- | Daily wage (in Rs) | 297 - 303 | 303 - 309 | 309 - 315 | 315 - 321 | 321 - 327 | 327 - 333 | 333 - 339 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 13 | 14 | 14 | 17 | 15 | 17 | 20 |
- (iii)
- | Daily wage (in Rs) | 297 - 303 | 303 - 309 | 309 - 315 | 315 - 321 | 321 - 327 | 327 - 333 | 333 - 339 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 13 | 20 | 14 | 17 | 15 | 17 | 14 |
- (iv)
- | Daily wage (in Rs) | 297 - 303 | 303 - 309 | 309 - 315 | 315 - 321 | 321 - 327 | 327 - 333 | 333 - 339 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 13 | 20 | 14 | 19 | 15 | 17 | 14 |
- (v)
- | Daily wage (in Rs) | 297 - 303 | 303 - 309 | 309 - 315 | 315 - 321 | 321 - 327 | 327 - 333 | 333 - 339 |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. of labourers | 13 | 20 | 9 | 17 | 15 | 17 | 14 |

59. Daily wages of 47 labourers (in ₹) are given below. Identify the frequency distribution table for the given median 'ogive'.



(i)

Daily wage (in Rs)	262 - 272	273 - 283	284 - 294	295 - 305	306 - 316
No. of labourers	7	13	10	9	8

(ii)

Daily wage (in Rs)	262 - 272	273 - 283	284 - 294	295 - 305	306 - 316
No. of labourers	7	10	8	9	13

(iii)

Daily wage (in Rs)	262 - 272	273 - 283	284 - 294	295 - 305	306 - 316
No. of labourers	7	8	8	9	13

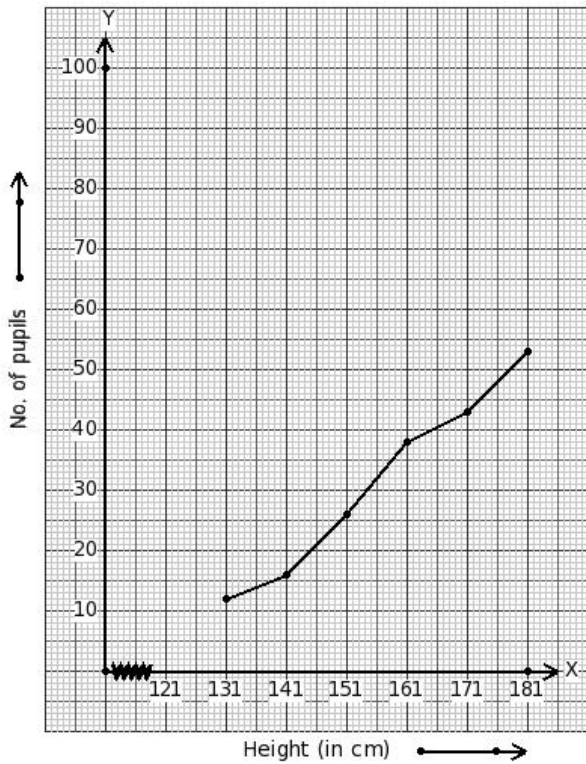
(iv)

Daily wage (in Rs)	262 - 272	273 - 283	284 - 294	295 - 305	306 - 316
No. of labourers	7	8	10	9	13

(v)

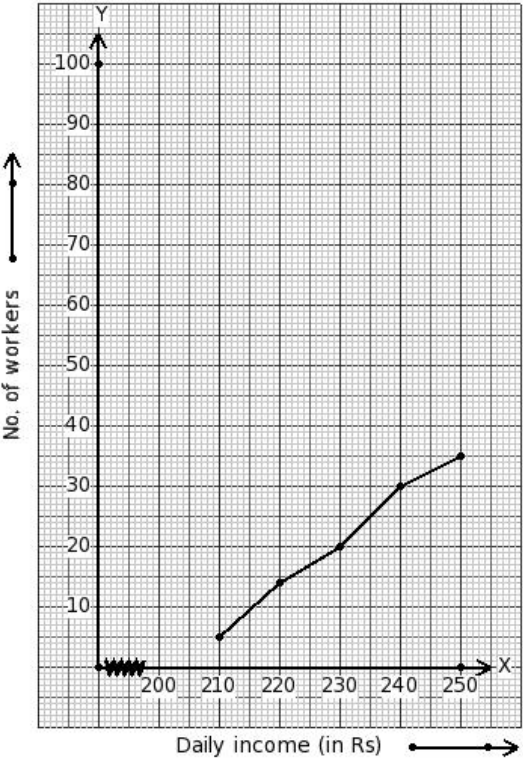
Daily wage (in Rs)	262 - 272	273 - 283	284 - 294	295 - 305	306 - 316
No. of labourers	7	4	10	9	13

60. The heights of 53 pupils in a school are given below. Identify the frequency distribution table for the given less than ogive.



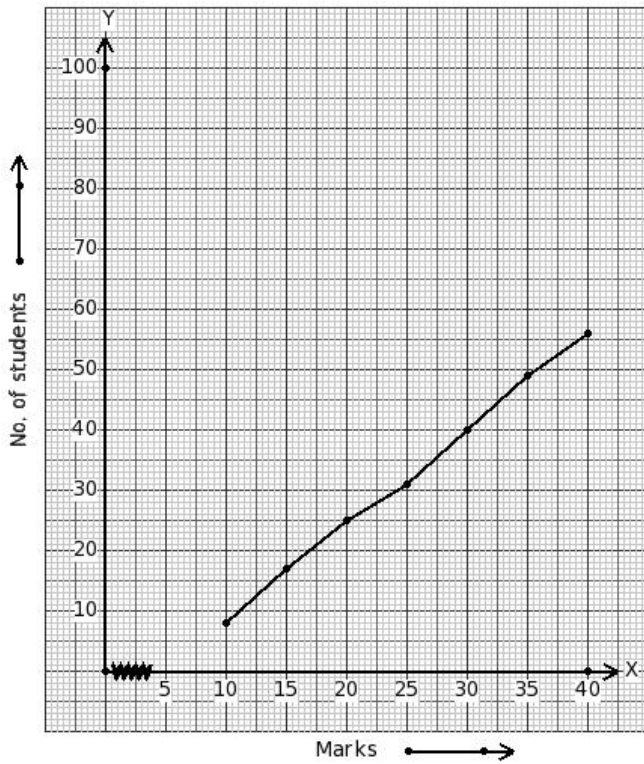
- (i)
- | Height (in cm) | less than 131 | less than 141 | less than 151 | less than 161 | less than 171 | less than 181 |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| No. of pupils | 12 | 22 | 26 | 38 | 43 | 53 |
- (ii)
- | Height (in cm) | less than 131 | less than 141 | less than 151 | less than 161 | less than 171 | less than 181 |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| No. of pupils | 12 | 16 | 30 | 42 | 47 | 57 |
- (iii)
- | Height (in cm) | less than 131 | less than 141 | less than 151 | less than 161 | less than 171 | less than 181 |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| No. of pupils | 12 | 16 | 26 | 38 | 43 | 53 |
- (iv)
- | Height (in cm) | less than 131 | less than 141 | less than 151 | less than 161 | less than 171 | less than 181 |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| No. of pupils | 12 | 22 | 32 | 44 | 49 | 53 |
- (v)
- | Height (in cm) | less than 131 | less than 141 | less than 151 | less than 161 | less than 171 | less than 181 |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| No. of pupils | 12 | 16 | 26 | 40 | 45 | 55 |

61. The daily income of 35 workers of a factory is given below. Identify the frequency distribution table for the given less than ogive.



- (i)
- | Daily income (in Rs) | less than 210 | less than 220 | less than 230 | less than 240 | less than 250 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| No. of workers | 5 | 11 | 20 | 30 | 35 |
- (ii)
- | Daily income (in Rs) | less than 210 | less than 220 | less than 230 | less than 240 | less than 250 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| No. of workers | 5 | 14 | 20 | 30 | 35 |
- (iii)
- | Daily income (in Rs) | less than 210 | less than 220 | less than 230 | less than 240 | less than 250 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| No. of workers | 5 | 10 | 16 | 26 | 35 |
- (iv)
- | Daily income (in Rs) | less than 210 | less than 220 | less than 230 | less than 240 | less than 250 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| No. of workers | 5 | 14 | 17 | 27 | 32 |
- (v)
- | Daily income (in Rs) | less than 210 | less than 220 | less than 230 | less than 240 | less than 250 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| No. of workers | 5 | 17 | 23 | 33 | 38 |

62. The marks obtained by 56 students of a class in an examination is given below. Identify the frequency distribution table for the given less than ogive.



(i)	Marks	less than 10	less than 15	less than 20	less than 25	less than 30	less than 35	less than 40
	No. of students	8	17	22	28	37	46	53

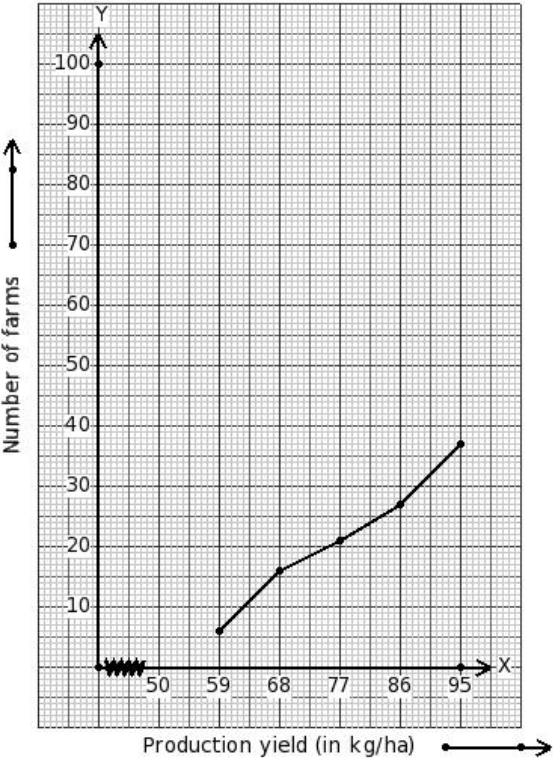
(ii)	Marks	less than 10	less than 15	less than 20	less than 25	less than 30	less than 35	less than 40
	No. of students	8	16	25	31	40	49	56

(iii)	Marks	less than 10	less than 15	less than 20	less than 25	less than 30	less than 35	less than 40
	No. of students	8	17	25	31	40	49	56

(iv)	Marks	less than 10	less than 15	less than 20	less than 25	less than 30	less than 35	less than 40
	No. of students	8	17	25	29	38	47	54

(v)	Marks	less than 10	less than 15	less than 20	less than 25	less than 30	less than 35	less than 40
	No. of students	8	15	23	29	38	47	56

63. The production yield in kg per hectare of wheat of 37 farms of a village is given below. Identify the frequency distribution table for the given less than ogive.



- (i)

Production yield (in kg/ha)	less than 59	less than 68	less than 77	less than 86	less than 95
Number of farms	6	11	16	22	32
- (ii)

Production yield (in kg/ha)	less than 59	less than 68	less than 77	less than 86	less than 95
Number of farms	6	11	21	27	37
- (iii)

Production yield (in kg/ha)	less than 59	less than 68	less than 77	less than 86	less than 95
Number of farms	6	16	24	30	40
- (iv)

Production yield (in kg/ha)	less than 59	less than 68	less than 77	less than 86	less than 95
Number of farms	6	16	21	27	37

Assignment Key

- 1) (i)
- 2) (iv)
- 3) (iii)
- 4) (i)
- 5) (v)
- 6) (ii)
- 7) (ii)
- 8) (ii)
- 9) (iv)
- 10) (i)
- 11) (i)
- 12) (ii)
- 13) (iv)
- 14) (i)
- 15) (iv)
- 16) (iv)
- 17) (iv)
- 18) (ii)
- 19) (ii)
- 20) (ii)
- 21) (iv)
- 22) (ii)
- 23) (iii)
- 24) (iv)
- 25) (iii)
- 26) (ii)
- 27) (i)
- 28) (iv)
- 29) (ii)
- 30) (iii)
- 31) (v)
- 32) (v)
- 33) (ii)
- 34) (iv)
- 35) (iv)
- 36) (i)
- 37) (iv)
- 38) (iv)
- 39) (iii)
- 40) (ii)
- 41) (v)
- 42) (ii)
- 43) (iv)
- 44) (v)
- 45) (i)
- 46) (iii)
- 47) (i)
- 48) (iii)
- 49) (iii)
- 50) (v)
- 51) (i)
- 52) (ii)
- 53) (iii)
- 54) (i)
- 55) (i)
- 56) (iii)
- 57) (iii)
- 58) (iii)
- 59) (iv)

60) (iii)

61) (ii)

62) (iii)

63) (iv)