

EduSahara™ Learning Center Assignment

Grade : Class VIII, SSC

Chapter : Frequency Distribution Tables and Graphs

Name : Ogive

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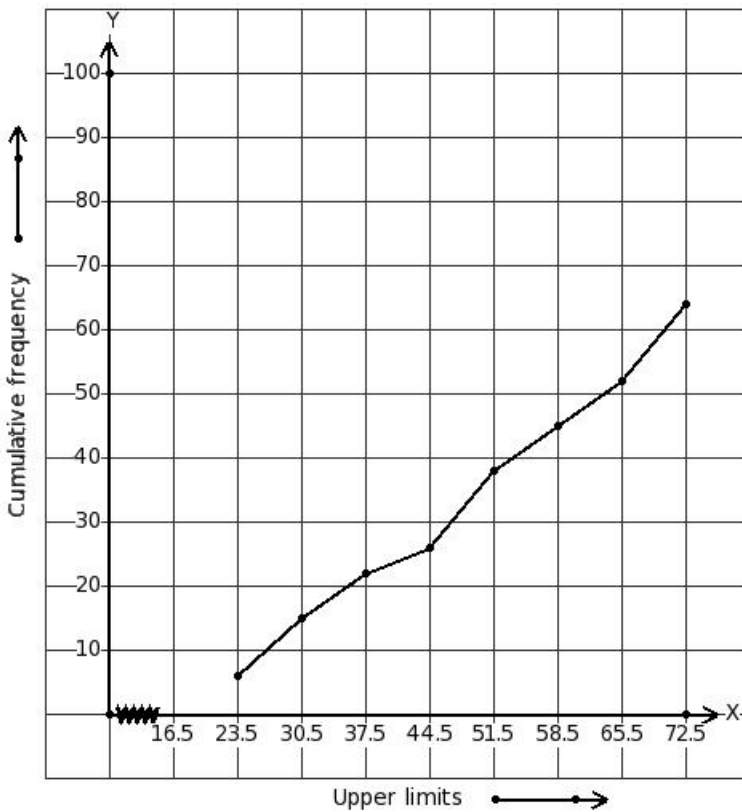
1. Less than cumulative curves are drawn using

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

2. Greater than cumulative curves are drawn using

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

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



(i)

Class-Interval	17 - 23	24 - 30	31 - 37	38 - 44	45 - 51	52 - 58	59 - 65	66 - 72
Frequency	4	1	15	17	15	16	17	7

(ii)

Class-Interval	17 - 23	24 - 30	31 - 37	38 - 44	45 - 51	52 - 58	59 - 65	66 - 72
Frequency	19	11	17	9	5	18	20	10

(iii)

Class-Interval	17 - 23	24 - 30	31 - 37	38 - 44	45 - 51	52 - 58	59 - 65	66 - 72
Frequency	6	9	7	4	12	7	7	12

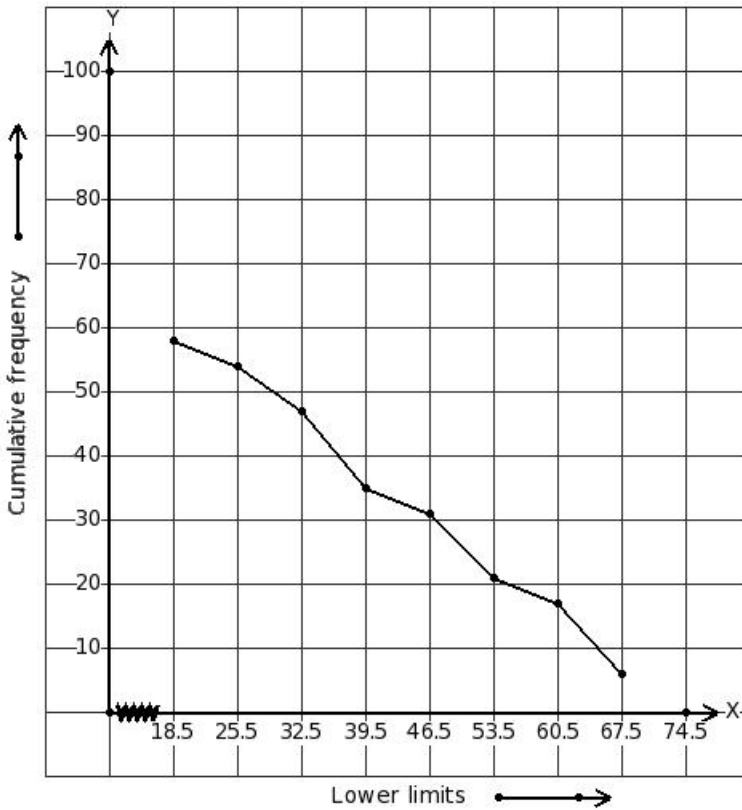
(iv)

Class-Interval	17 - 23	24 - 30	31 - 37	38 - 44	45 - 51	52 - 58	59 - 65	66 - 72
Frequency	15	16	3	16	11	7	7	18

(v)

Class-Interval	17 - 23	24 - 30	31 - 37	38 - 44	45 - 51	52 - 58	59 - 65	66 - 72
Frequency	16	3	14	7	9	14	14	11

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



(i)

Class-Interval	19 - 25	26 - 32	33 - 39	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74
Frequency	19	1	4	1	15	19	3	2

(ii)

Class-Interval	19 - 25	26 - 32	33 - 39	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74
Frequency	1	10	9	18	11	20	14	4

(iii)

Class-Interval	19 - 25	26 - 32	33 - 39	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74
Frequency	5	3	8	12	16	6	16	12

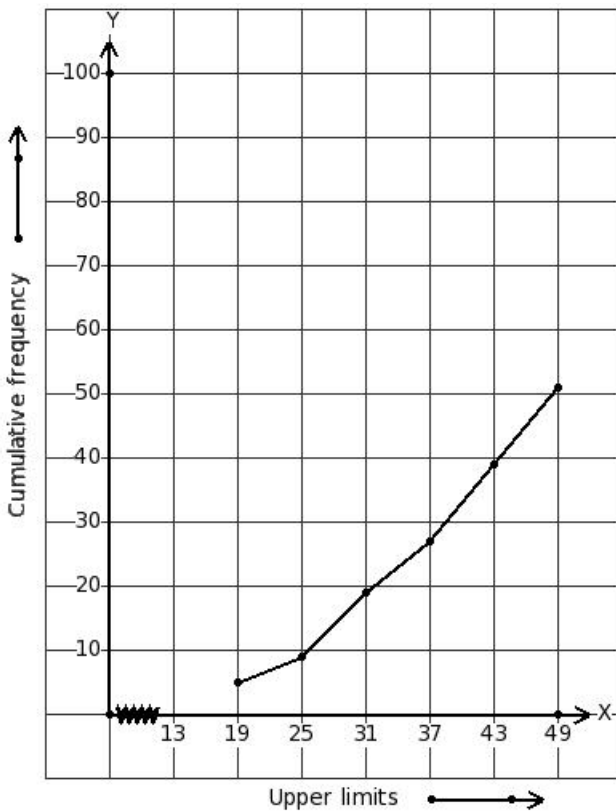
(iv)

Class-Interval	19 - 25	26 - 32	33 - 39	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74
Frequency	4	7	12	4	10	4	11	6

(v)

Class-Interval	19 - 25	26 - 32	33 - 39	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74
Frequency	16	14	1	15	12	3	3	12

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



(i)

Class-Interval	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49
Frequency	9	20	6	20	3	8

(ii)

Class-Interval	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49
Frequency	20	4	8	10	6	7

(iii)

Class-Interval	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49
Frequency	12	1	2	15	12	9

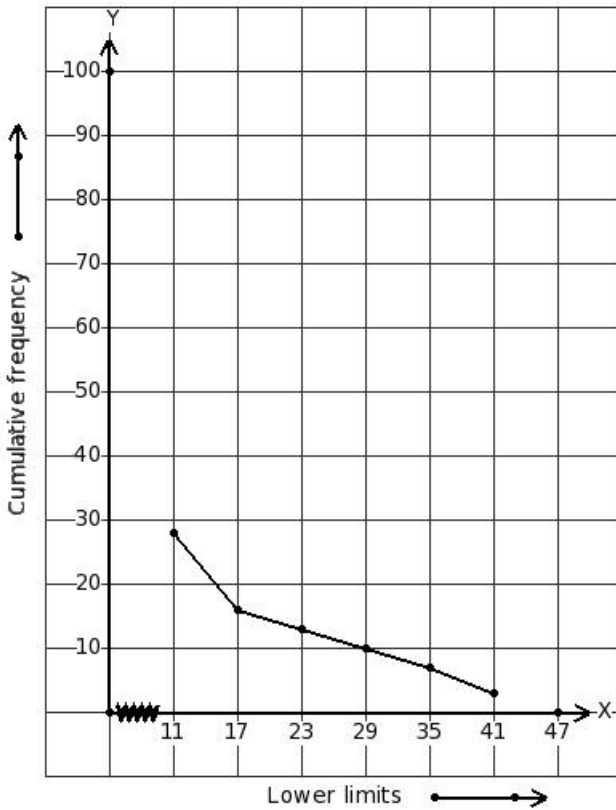
(iv)

Class-Interval	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49
Frequency	5	4	10	8	12	12

(v)

Class-Interval	13 - 19	19 - 25	25 - 31	31 - 37	37 - 43	43 - 49
Frequency	3	9	11	17	16	15

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



(i)

Class-Interval	11 - 17	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47
Frequency	12	13	19	6	5	11

(ii)

Class-Interval	11 - 17	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47
Frequency	12	3	3	3	4	3

(iii)

Class-Interval	11 - 17	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47
Frequency	17	11	15	4	2	18

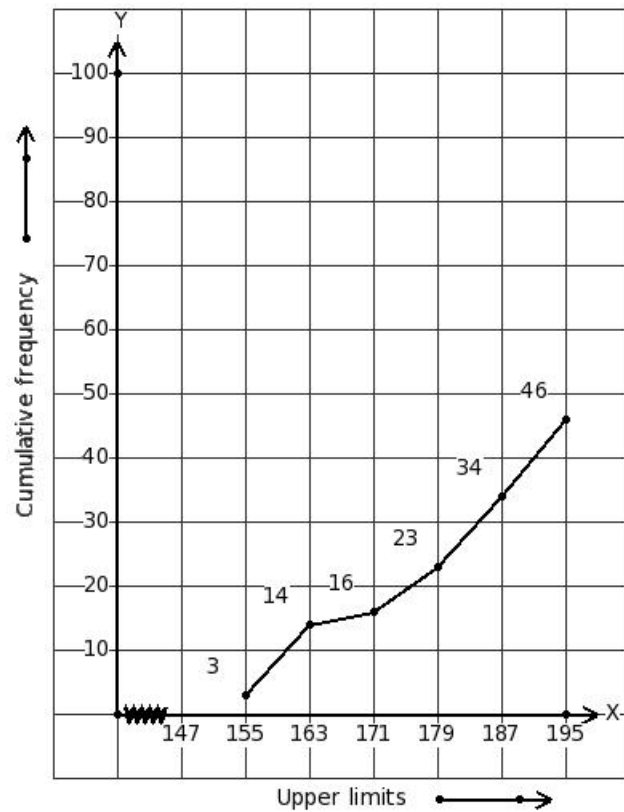
(iv)

Class-Interval	11 - 17	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47
Frequency	3	11	3	9	5	11

(v)

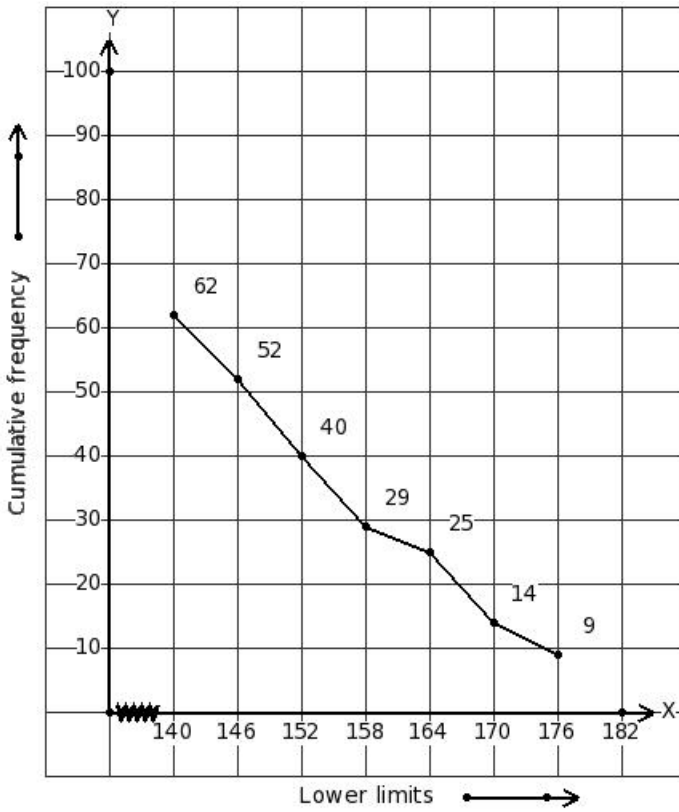
Class-Interval	11 - 17	17 - 23	23 - 29	29 - 35	35 - 41	41 - 47
Frequency	7	19	2	7	11	7

7. The given ogive represents the heights of workers (in cm) in a factory.
Find the number of workers whose height is less than 163 cm



(i) 19 (ii) 9 (iii) 18 (iv) 14 (v) 10

8. The given ogive represents the heights of workers (in cm) in a factory.
Find the number of workers whose height is more than 158 cm



- (i) 29 (ii) 25 (iii) 24 (iv) 33 (v) 34

Assignment Key

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