



Wages of 20 labourers are given below. Find the median.

1.	Wage (in rupees)	333	342	347	381	393	398	399	446	452	500
	No. of labourers	1	2	2	3	1	4	1	1	4	1

- (i) ₹396.00 (ii) ₹398.00 (iii) ₹397.00 (iv) ₹400.00 (v) ₹399.00

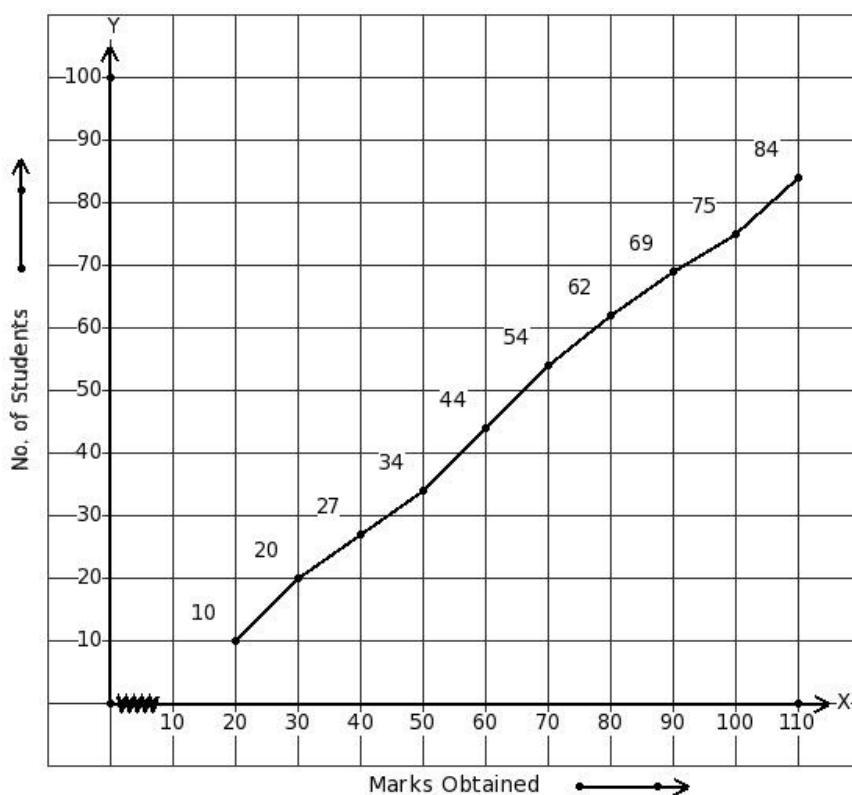
Rainfall of 12 days (in mm) are given below. Find the median rainfall.

2. 13 15 6 11 15 10 10 14 12 6 6 15

- (i) 12 mm (ii) $\frac{27}{2}$ mm (iii) $\frac{25}{2}$ mm (iv) $\frac{23}{2}$ mm

3. The marks obtained by 84 students in an examination are shown in the given ogive.

Find the number of students who obtained more than 10 marks in examination.



- (i) 82 (ii) 84 (iii) 85 (iv) 83 (v) 86

4. Greater than cumulative curves are drawn using

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

In a class test, the marks obtained by 10 students are

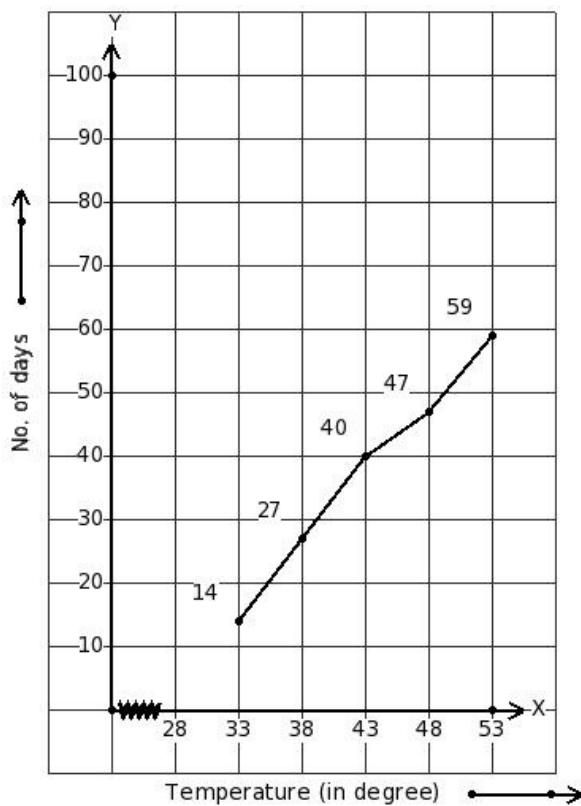
5. 47 26 50 19 37 13 31 21 24 11

Find the semi-inter quartile range.

- (i) 9 (ii) 16 (iii) 18 (iv) 39 (v) 34

6. Temperatures of 59 days (in °C) are shown in the given ogive.

- Find the number of days where the temperature is less than 49 °C



- (i) 52 (ii) 47 (iii) 51 (iv) 49 (v) 46

7. Heights of 12 students (in cm) are given below. Find the median height.

7. 145 128 126 175 158 136 173 131 147 136 172 175

- (i) 144 cm (ii) 148 cm (iii) 145 cm (iv) 147 cm (v) 146 cm

8. The scores obtained by 7 students in a test are given below. Find the mode. 7 3 10 6 3 3 2

- (i) 3 (ii) $4\frac{1}{2}$ (iii) 2 (iv) 8 (v) $5\frac{1}{6}$

In a class test, the marks obtained by 8 students are

9. 10 17 24 28 26 48 12 31

Find the upper quartile.

- (i) 38 (ii) 28 (iii) $24\frac{1}{2}$ (iv) 12 (v) 8

10. Daily wages of 13 labourers (in ₹) are given below. Find the mode wage.

10. 482 311 327 468 304 315 444 402 432 391 487 382 304

- (i) ₹306.00 (ii) ₹303.00 (iii) ₹302.00 (iv) ₹304.00 (v) ₹305.00

Heights of 26 plants are given below. Find the mode.

Height (in cm)	53	54	55	66	88	91	93	97
No. of plants	7	1	2	3	5	3	3	2

- (i) 53cm (ii) 51cm (iii) 55cm (iv) 52cm (v) 54cm

The following table shows the weights of 64 persons in a group. Find the mode weight.

Weight (in kg)	10 - 17	18 - 25	26 - 33	34 - 41	42 - 49
No. of persons	5	17	16	15	11

- (i) $\frac{649}{26}$ kg (ii) $\frac{324}{13}$ kg (iii) $\frac{699}{26}$ kg (iv) $\frac{673}{26}$ kg (v) $\frac{647}{26}$ kg

Temperatures of 16 days (in °C) are given below. Find the mode temperature.

13. 34 35 33 30 34 31 28 35 26 30 25 26 34 30 31 30

- (i) 30°C (ii) 31°C (iii) 29°C (iv) 28°C (v) 32°C

The daily wages of 172 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	20 - 26	27 - 33	34 - 40	41 - 47	48 - 54	55 - 61	62 - 68	69 - 75
No. of workers	30	22	30	25	7	29	18	11

- (i) ₹27.03 (ii) ₹26.03 (iii) ₹25.08 (iv) ₹25.05 (v) ₹25.03

15. Ages of 15 students (in years) are given below. Find the median age.

15. 14 14 12 15 13 15 14 12 12 11 10 10 10 15 14

- (i) 12 years (ii) 11 years (iii) 15 years (iv) 13 years (v) 14 years

16. Daily wages of 14 labourers (in ₹) are given below. Find the median wage.

16. 383 413 435 415 352 407 366 347 395 467 472 475 434 475

- (i) ₹413.00 (ii) ₹414.00 (iii) ₹412.00 (iv) ₹415.00 (v) ₹416.00

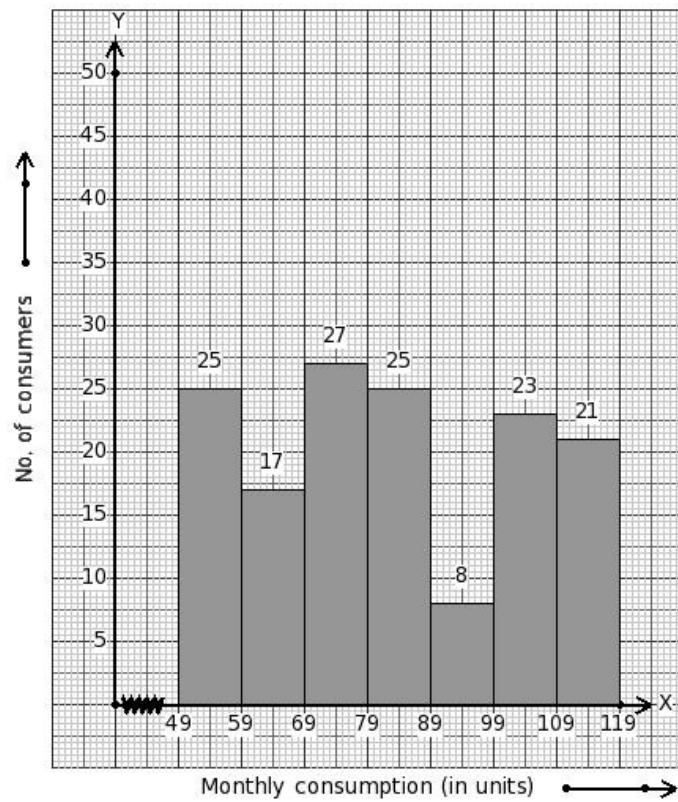
17. The mean and median of a uni-modal grouped data are 70 and 20 respectively. Find the mode of the data.

- (i) 169 (ii) 170 (iii) 168 (iv) 171 (v) 172

The following histogram gives the monthly consumption of

18. electricity of 146 consumers in a locality.

Find the modal class



- (i) 69-79 (ii) 109-119 (iii) 89-99 (iv) 59-69 (v) 79-89

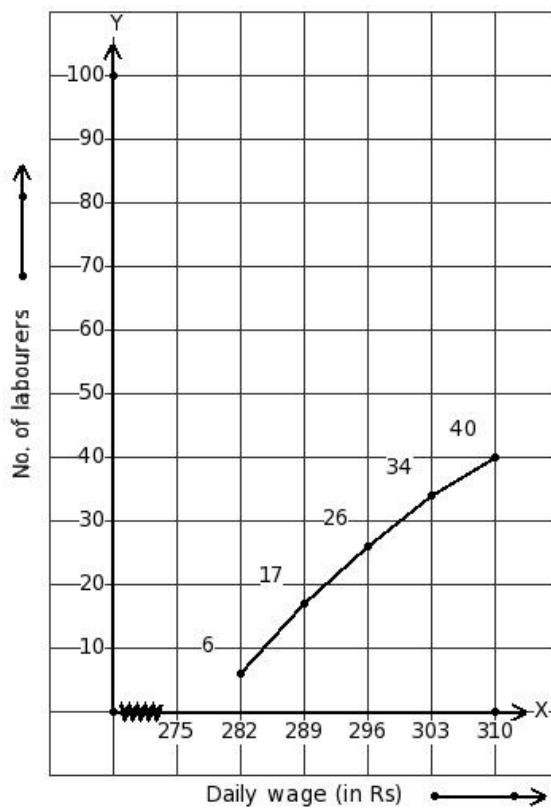
A frequency distribution table is given below. Find the median .

Class-Interval	1 - 11	11 - 21	21 - 31	31 - 41	41 - 51	51 - 61
Frequency	41	26	46	30	44	32

- (i) $\frac{1391}{46}$ (ii) $\frac{1483}{46}$ (iii) $\frac{1437}{46}$ (iv) $\frac{696}{23}$ (v) $\frac{1393}{46}$

20. Daily wages of 40 labourers (in ₹) are shown in the given ogive.

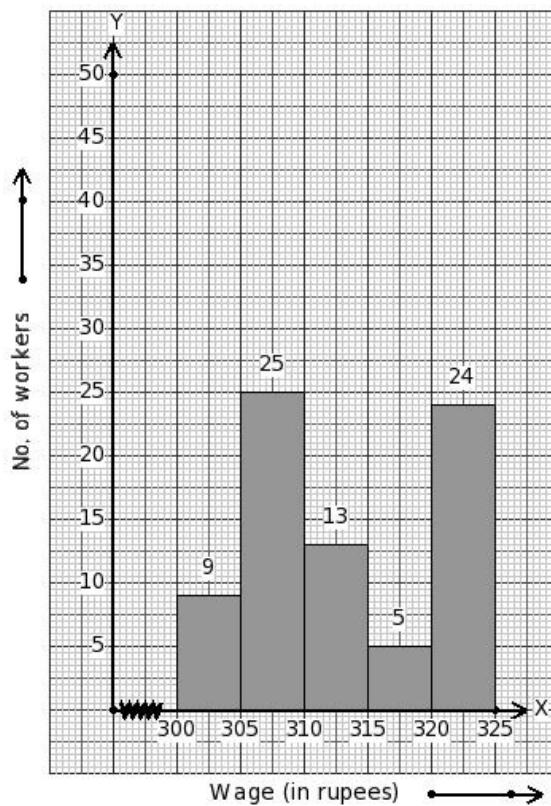
Find the number of labourers whose wage is less than ₹282



- (i) 4 (ii) 9 (iii) 8 (iv) 3 (v) 6

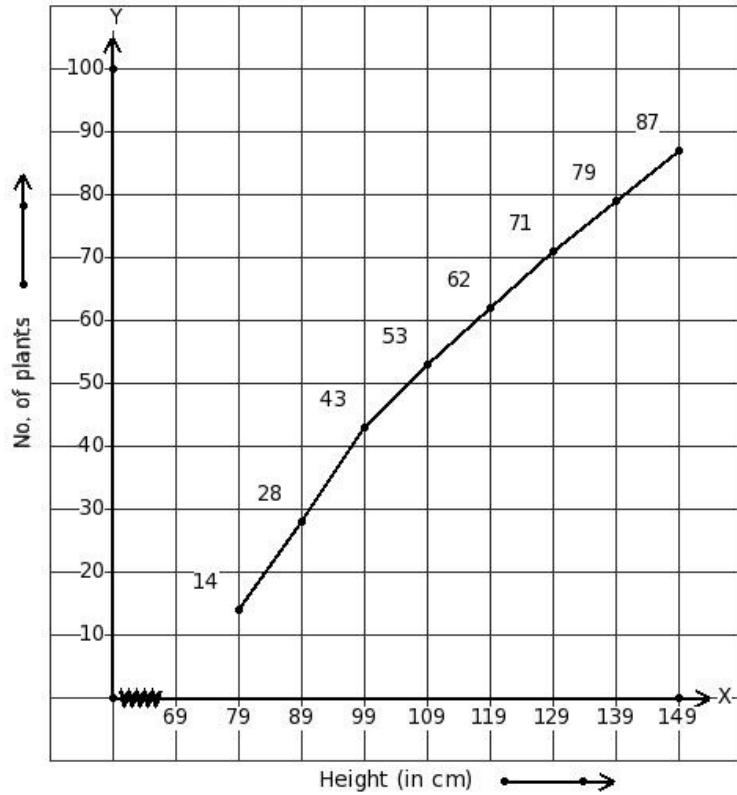
21. The daily wages of 76 workers in a factory are given below.

Find the modal class



- (i) 305-310 (ii) 315-320 (iii) 300-305 (iv) 310-315 (v) 320-325

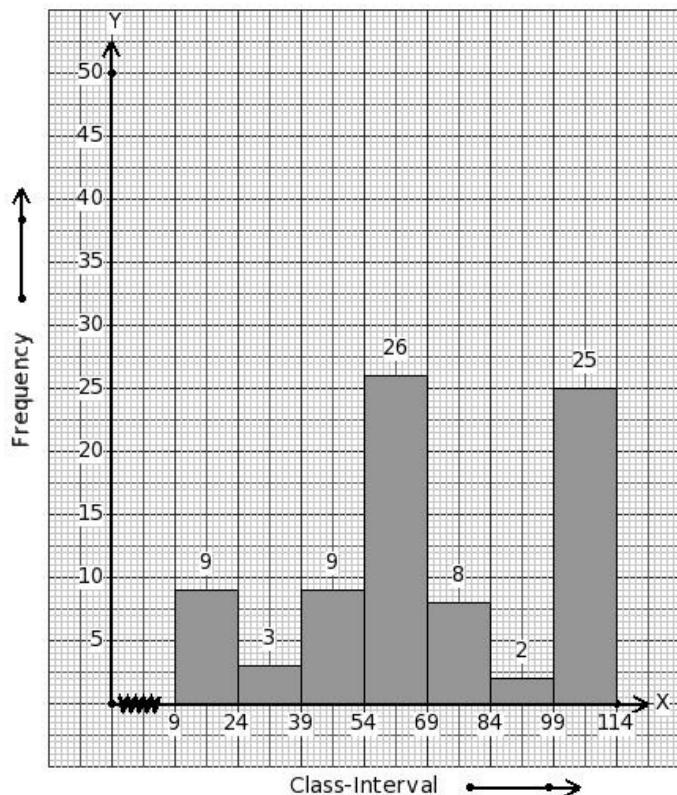
22. Heights of 87 plants (in cm) are shown in the given ogive.
 Find the number of plants whose height is less than 127 cm



- (i) 69 (ii) 67 (iii) 66 (iv) 72 (v) 71

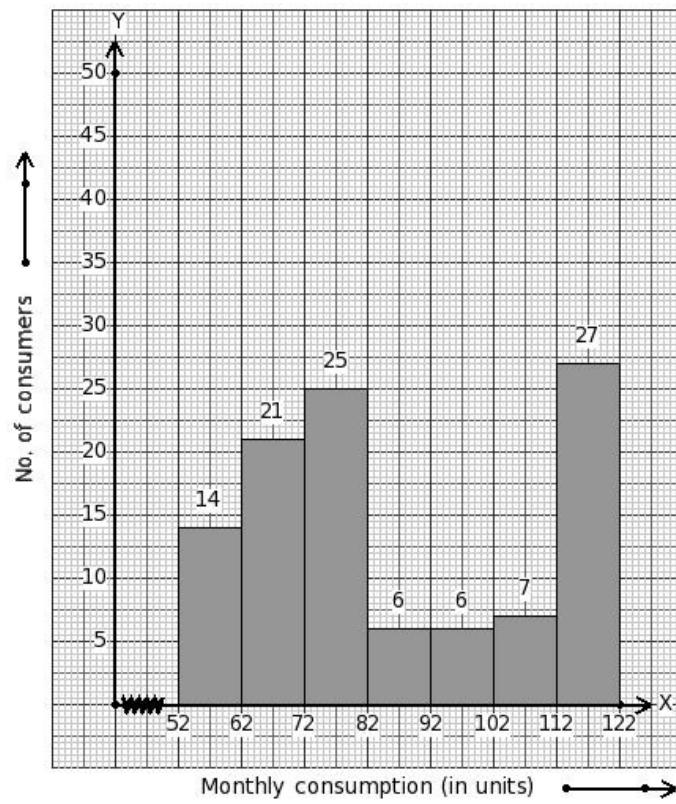
23. Heights of 13 plants (in cm) are given below. Find the mode height.
 86 52 90 69 72 69 67 81 74 93 85 55 69
 (i) 71cm (ii) 67cm (iii) 70cm (iv) 68cm (v) 69cm

24. A histogram with data is given below.
 Find the mode.



- (i) 53.79 (ii) 68.79 (iii) 57.54 (iv) 65.04 (v) 61.29

25. The following histogram gives the monthly consumption of electricity of 106 consumers in a locality.
Find the mode units.



- (i) 116.26 units (ii) 121.26 units (iii) 113.76 units (iv) 118.76 units (v) 111.26 units

Assignment Key

1) (ii)	2) (iv)	3) (ii)	4) (iv)	5) (i)	6) (iv)
7) (v)	8) (i)	9) (ii)	10) (iv)	11) (i)	12) (v)
13) (i)	14) (v)	15) (iv)	16) (ii)	17) (ii)	18) (i)
19) (i)	20) (v)	21) (i)	22) (i)	23) (v)	24) (v)
25) (i)					

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