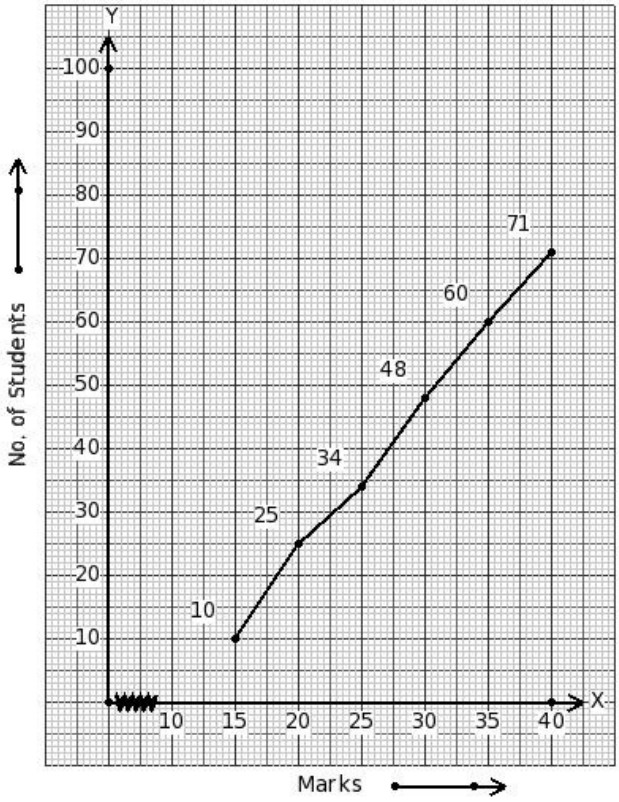
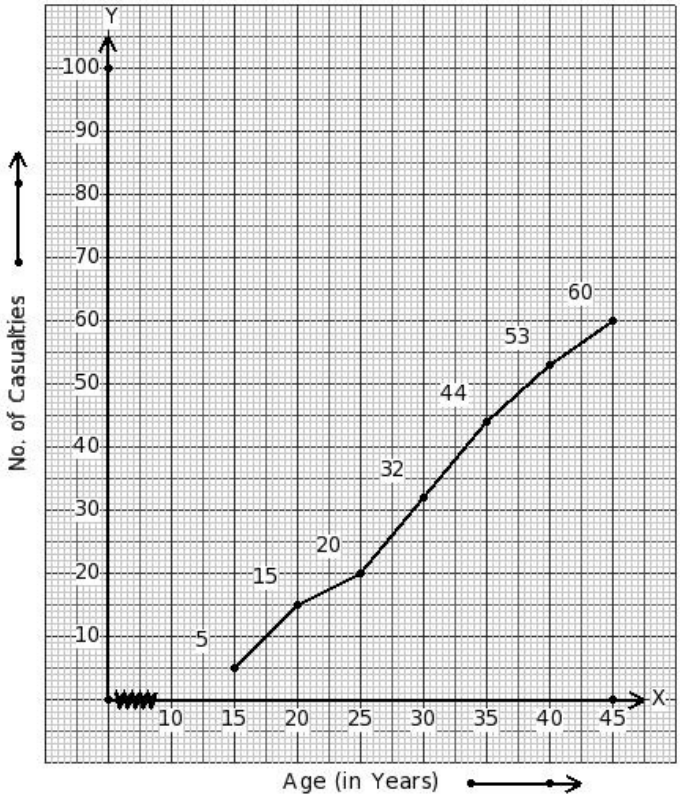
1. The marks obtained by certain students in a mathematics examination are given below. Estimate the median.



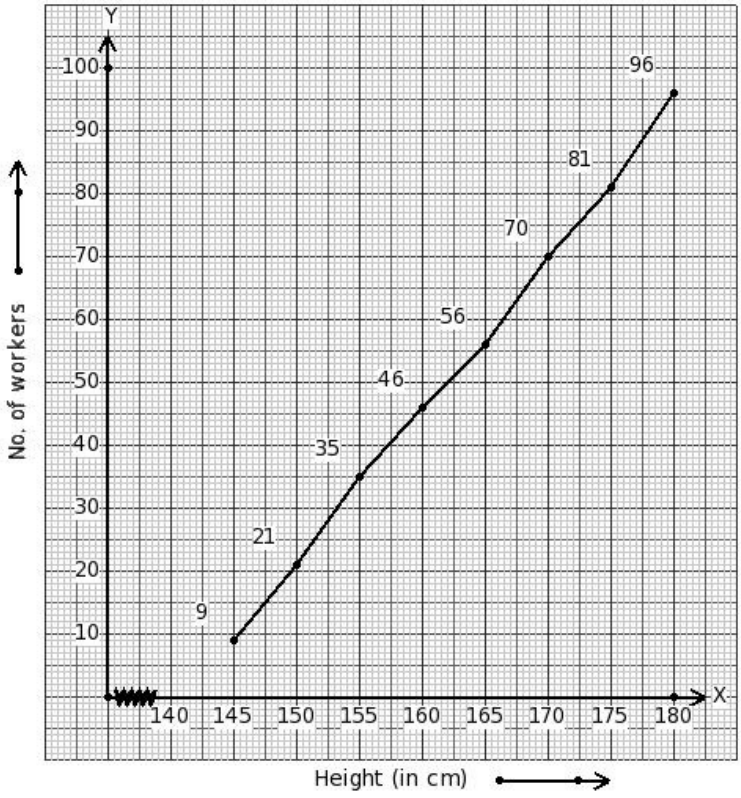
(i) 23.04 (ii) 24.29 (iii) 28.04 (iv) 25.54 (v) 26.79

2. The following ogive shows the number of casualties of different age groups due to accidents in a city. Estimate the lower quartile.



(i) 20.00 years (ii) 18.75 years (iii) 21.25 years (iv) 22.50 years (v) 17.50 years

3. The following ogive shows the distribution of the heights of a group of factory workers. Estimate the upper quartile.



(i) 168.41 cm (ii) 172.16 cm (iii) 169.66 cm (iv) 170.91 cm (v) 173.41 cm

4. The following frequency distribution table gives the monthly consumption of electricity of 51 consumers in a locality. Find the mode units.

Monthly consumption (in units)	76 - 96	96 - 116	116 - 136	136 - 156	156 - 176
No. of consumers	13	9	5	7	17

(i) $\frac{1471}{9}$ units (ii) $\frac{4439}{27}$ units (iii) $\frac{4466}{27}$ units (iv) $\frac{4412}{27}$ units (v) $\frac{4414}{27}$ units

5. Rainfall of 13 days (in mm) are given below. Find the median rainfall.
11 15 11 11 8 7 15 9 15 8 13 11 15

(i) 9 mm (ii) 11 mm (iii) 13 mm (iv) 12 mm (v) 10 mm

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

Wage (in rupees)	392	394	404	406	463	483	495
No. of labourers	1	1	1	5	3	4	5

(i) ₹463.00 (ii) ₹461.00 (iii) ₹464.00 (iv) ₹465.00 (v) ₹462.00

7. If the sum of the following frequency distribution is 37 , find the value of 'x'.

Class-Interval	**Frequency**
10 - 20	9
21 - 31	4
32 - 42	4
43 - 53	10
54 - 64	8
65 - 75	x

(i) 2 (ii) 3 (iii) 0 (iv) 5 (v) 1

8. Find the median of the first 10 odd numbers.

(i) 13 (ii) 10 (iii) 11 (iv) 8 (v) 9

9. Find the median of the first 10 even numbers.

(i) 10 (ii) 9 (iii) 12 (iv) 14 (v) 11

10. The mean and median of a uni-modal grouped data are 86.2 and 47.2 respectively. Find the mode of the data.

(i) 162.2 (ii) 165.2 (iii) 166.2 (iv) 164.2 (v) 163.2

11. Find the median of all the factors of 40.

(i) $\frac{15}{2}$ (ii) 7 (iii) $\frac{13}{2}$ (iv) $\frac{25}{4}$ (v) $\frac{11}{2}$

12. In a class test, the marks obtained by 9 students are
50 14 16 28 31 11 33 46 35
Find the semi-inter quartile range.

(i) $12\frac{3}{4}$ (ii) $25\frac{1}{2}$ (iii) 15 (iv) 39 (v) $29\frac{1}{3}$

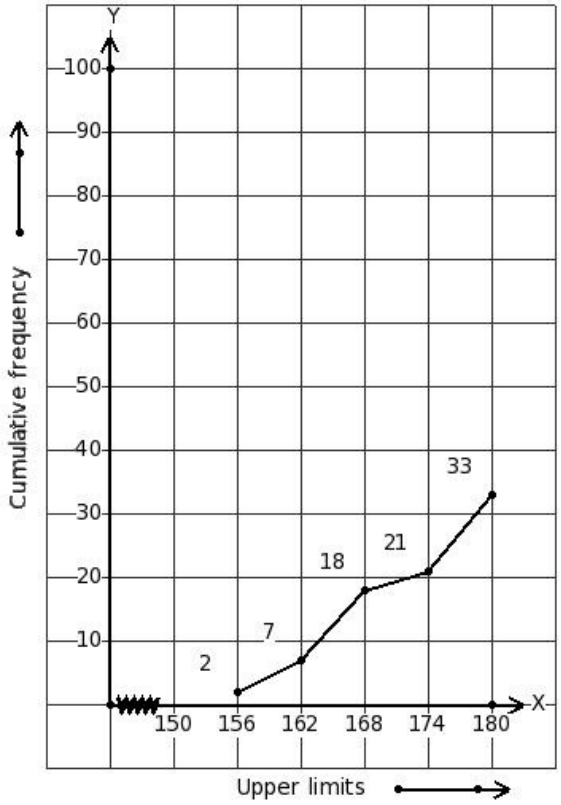
13. Daily wages of 12 labourers (in ₹) are given below. Find the median wage.
347 450 378 349 477 416 423 361 398 320 435 423

(i) ₹407.00 (ii) ₹406.00 (iii) ₹408.00 (iv) ₹409.00 (v) ₹405.00

14. Find the median of all prime numbers between 50 and 90.

(i) 71 (ii) 68 (iii) 73 (iv) 70 (v) 72

15. The given ogive represents the heights of workers (in cm) in a factory.
Find the number of workers whose height is less than 168 cm



(i) 13 (ii) 23 (iii) 18 (iv) 14 (v) 22

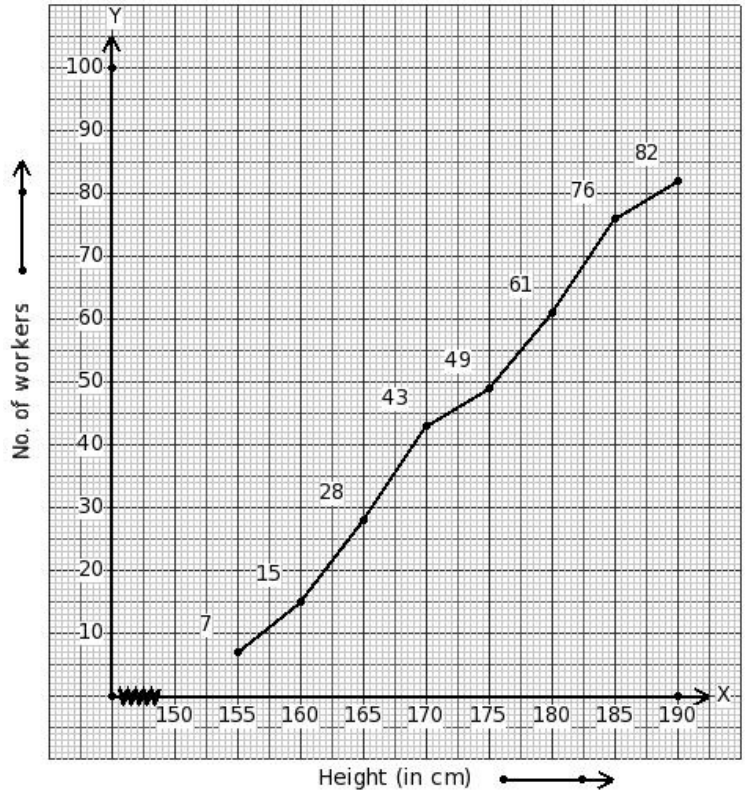
16. Temperatures of 12 days (in °C) are given below. Find the mode temperature.
27 25 34 35 30 29 31 31 29 25 34 25

(i) 26 °C (ii) 23 °C (iii) 25 °C (iv) 27 °C (v) 24 °C

17. The scores obtained by 9 students in a test are given below. Find the median. 20 8 2 12 2 12 8 16 8

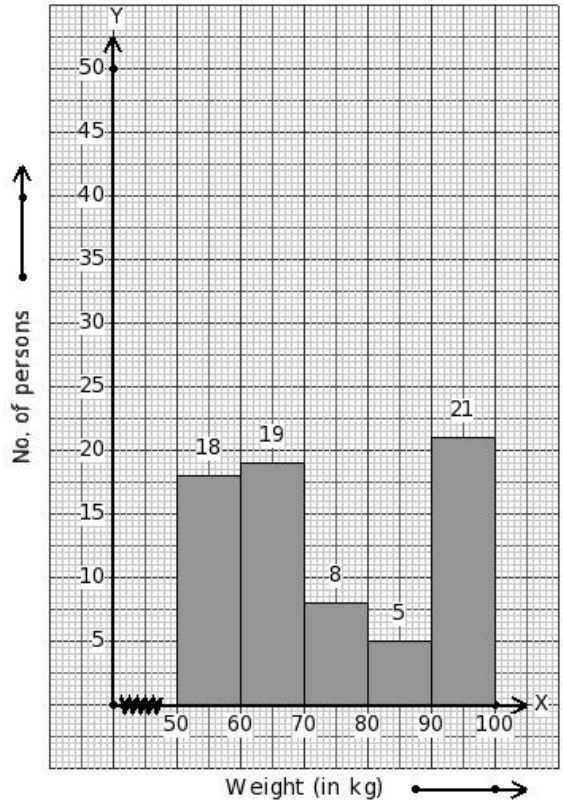
(i) 2 (ii) 20 (iii) $9\frac{7}{9}$ (iv) 18 (v) 8

18. The following ogive shows the distribution of the heights of a group of factory workers. Estimate the median.



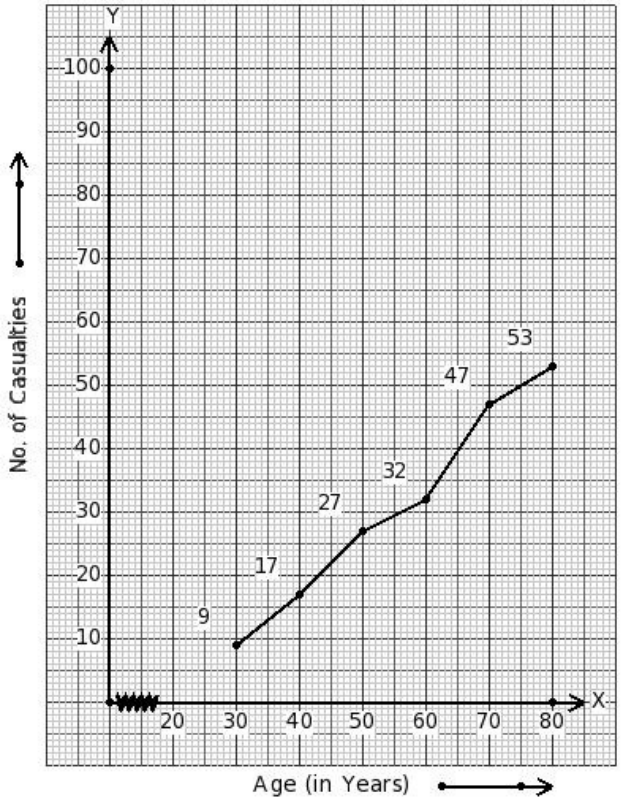
(i) 171.83 cm (ii) 168.08 cm (iii) 169.33 cm (iv) 170.58 cm (v) 166.83 cm

19. The weights of 71 persons in a group are shown below.
Find the modal class



(i) 60-70 (ii) 70-80 (iii) 80-90 (iv) 90-100 (v) 50-60

20. The following ogive shows the number of casualties of different age groups due to accidents in a city. Estimate the median.

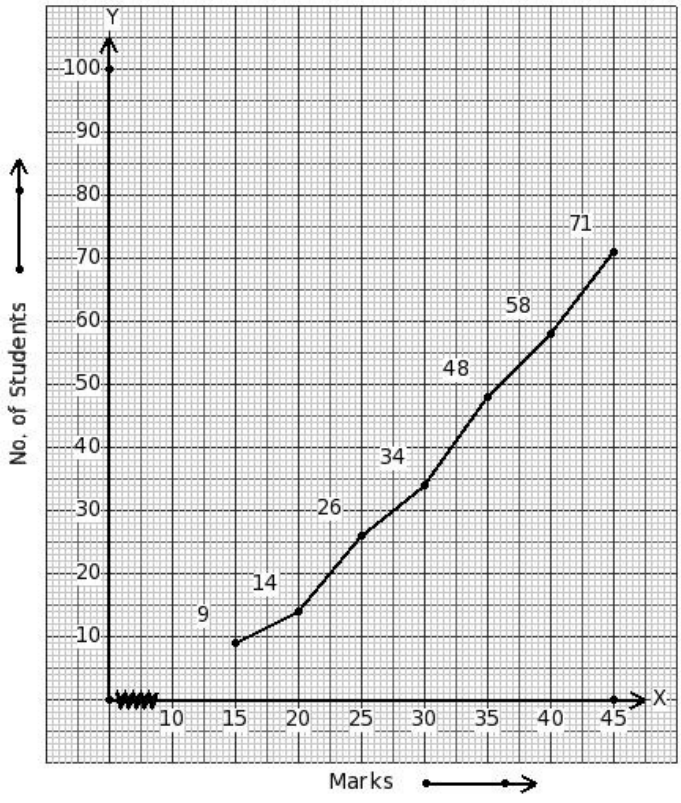


(i) 44.50 years (ii) 52.00 years (iii) 54.50 years (iv) 49.50 years (v) 47.00 years

21. Weights of 13 students (in kg) are given below. Find the mode weight.
47 52 42 54 43 44 46 40 53 47 57 59 47

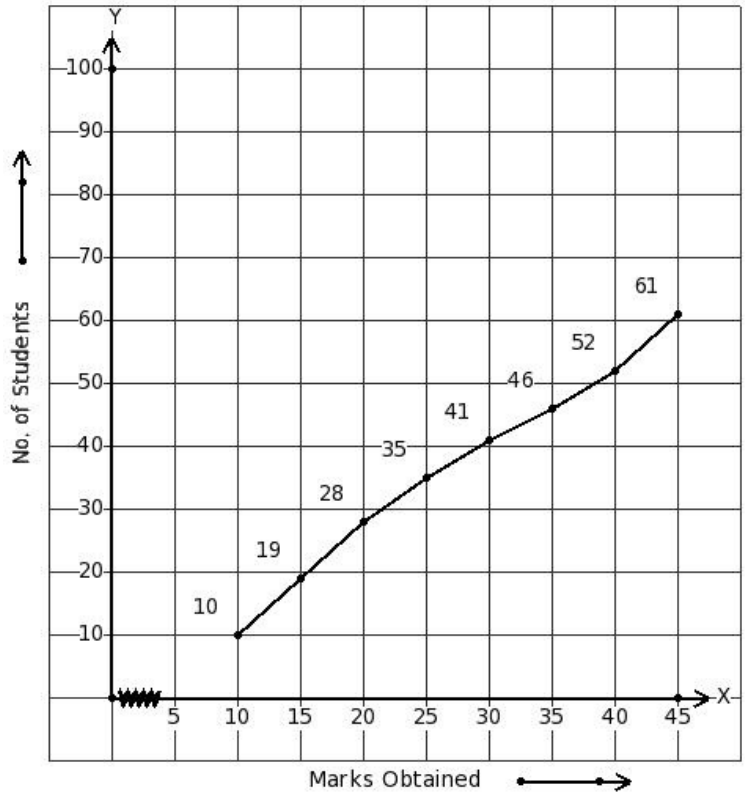
(i) 47 kg (ii) 45 kg (iii) 48 kg (iv) 49 kg (v) 46 kg

22. The marks obtained by certain students in a mathematics examination are given below. Estimate the upper quartile.



(i) 36.38 (ii) 35.12 (iii) 37.62 (iv) 40.12 (v) 38.88

23. The marks obtained by 61 students in an examination are shown in the given ogive.
Find the number of students who obtained less than 15 marks in the examination.



(i) 19 (ii) 14 (iii) 26 (iv) 24 (v) 12

24. Scores of 14 students are given below. Find the median score.
90 89 80 81 83 81 89 81 80 88 89 83 84 72

(i) 83 (ii) 85 (iii) 82 (iv) 81 (v) 84

25. The mean and median of a uni-modal grouped data are 69 and 44 respectively. Find the mode of the data.

(i) 117 (ii) 119 (iii) 118 (iv) 121 (v) 120

Assignment Key

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