Graphical Representation of Frequency Distribution. Histogram

Histogram is a graphic representation of frequency distribution for continuous series.

Each class is represented by rectangle.

The height of rectangle on Y-axis (Vertical axis) shows the frequencies of class

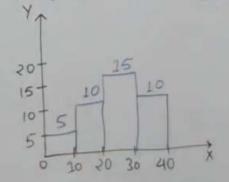
The class interval are shown on X-axis (Horizontal axis)

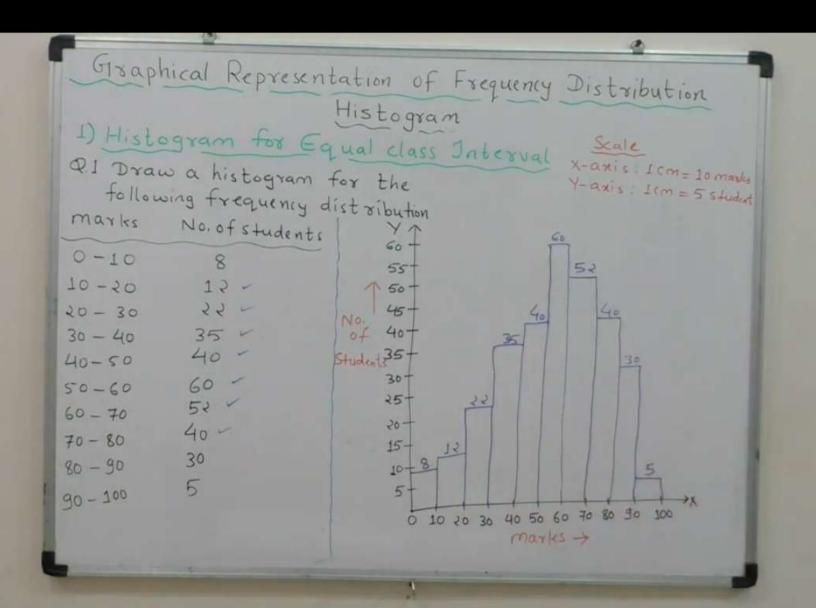
No of rectangles in Histogram

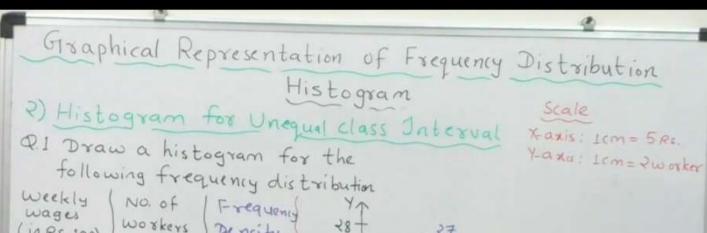
= No. of classes of frequency

Example:

Class: 0-10 10-20 20-30 30-40 frequency: 5 10 15 10

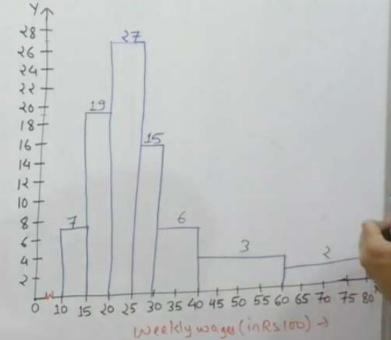






(in Rs. 100) Workers Dens	rity
10-15 7 7/1:	= 7
15-20 (19 /19/1.	
20-25 27 27 27 1 =	
25-30 15 15/1=	
30-40 12 12/2=	6
40-60 12 12/4=	3
60-80 8 18/4=	5

minimum class interval = 5



Graphical Representation of Frequency Distribution Frequency Polygon Scale Representation of Frequency Distribution Frequency Polygon Scale Fraxis: 1cm = 5Rs Y-axis: 1cm = 5Rs Y-axis: 1cm = 5Rs Y-axis: 1cm = 2won The following frequency distribution Weekly No. of Frequency Wages (in Rs. 100) Workers Density 10-15 7/1=7 15-20 19 19/1=19 20-25 27 27/1=27 24- 25-30 15 15/1=15 27 28- 27 40-60 12 12/2=6 12/2=6 12/2=6 12/2=6 12/2=6 12/2=6 12/2=6 13/4=2 3-4 4-4 40-60 12 12/2=6 12/2=6 13/4=2 3-4 4-4 4-4 4-4 4-4 4-4 4-4 4-					
P.1) Draw a frequency Polyson for the following frequency distribution Weekly No. of Frequency (in Rs. 100) Workers 10-15 7 7/1=7 15-20 19 19/1=19 20-25 27 27/1=27 25-30 15 15/1=15 wor 16- 25-30 15 15/1=15 wor 16- 25-30 15 15/2=6 40-60 12 12/2=6 Maxis: 1cm=5Re Y-axis: 1cm=2won 1cm=2won 1st 10-15 7 18- 15-20 19 19/1=19 10- 10- 10- 10- 10- 10- 10- 10- 10- 10-	Graphical Represent	tation of	Frequency	Distribut	ion
Q.1) Draw a frequency Polyson for the following frequency distribution weekly No. of Frequency (in Rs. 100) Workers Density 10-15 7 7/1=7 15-20 19 19/1=19 20-25 27 27/1=27 15-30 15 15/1=15 wor 16- 25-30 15 15/1=15 wor 16- 40-60 12 12/2=6 40-60 12 12/2=6 Maintonum class Maintonum class	+xx	equency Pol	ygon		
10-15 7 $7/1=7$ 15-20 19 $19/1=19$ 20-25 27 $27/1=27$ 25-30 15 $15/1=15$ 30-40 12 $12/2=6$ 40-60 12 $12/2=6$ 60-80 8 $18/4=2$ 8+ 7 minimum class	weekly No. of Freque	his tribution my x8+	₹	X-axis: 100	n = 5 Rs. n = 2 worker
minimum class	$ \begin{array}{c cccccccccccccccccccccccccccccccccc$	24+ 22+ 20+ 18+ 16+ 14+ 12+ 10+	15		
0 10 15 20 25 30 35 40 45 50 55 60 65 70 75	minimum class interval = 5	1 5+	15 20 25 30 35 Week	40 45 50 55 60 65 y wages (in Rs 100	5 70 75 80 ^x

Graphical Representation of Frequency Distribution

Frequency Polygon

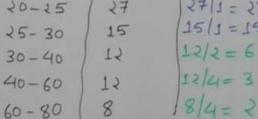
Scale

X-axis: 1cm = 5 Rs

Y-axis: Icm= 2worker

Q1) Dra	w a fre	quency Poly	son for
Weekly wages	wing tre	quency dist	vi bution

(in RS. 100)	wo skers	De nsity
10-15	7	7/1=7
15-20	19	19/1 = 19
20-25	27	27/1=27
25-30	15	15/1=15
2400		1212 /



minimum class

