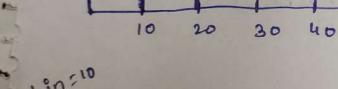
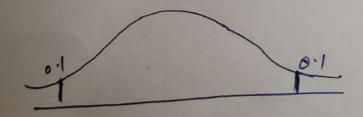
10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 88, 90, 92, 94, 99



) In a quant test of the CAT Exam, the population standard deviation is known to be 100. A sample of 25 tests taken has a mean of 520. Construct on 80% a about the mean.

$$\sigma = 100$$
 $n = 25$ 
 $\overline{x} = 520$ 
 $c1 = 80\%$ 

$$2d_2 = \frac{2}{2} = \frac{2}{2}$$



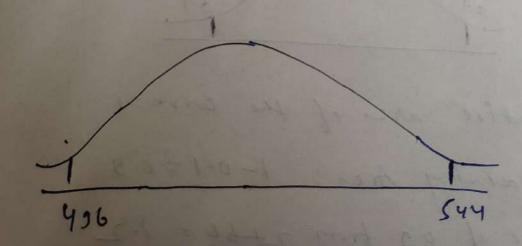
Entire are of the curve=1

Remaining Aren = 1-0.1 = 0.9

value of 0.9 from 2 table = 1.2

20.1 = 1.2

= 520-1.2 x 1vo = 520 - 102 × 20 = 520 - 24 = 496 Higher bence 76 1 7 d/2 1/2 モナマーグが 2 520 + 1.2 100 V25 = 520 + 24 = 544



4) What 18 the value of the 99 percentile? 2,2,3,4,5,5,5,6,7,8,8,8,8,9,9,10,11,11,12

col11-

=> 19.8 Indre position indicates

$$=\frac{11+12}{2}=11.5$$

In left & right- Skewed data, What is the Relationship mean, median & Mode? Draw the graph to represent the some Median p- Mean E Mode Left skewed Right skewed Normal Distribution Distribution Bishibuhin 1) Right skewed distribution: -The relation ship bertween Men, Meding 2 mode are! Mean > Median > Mode Example: - Leveth distribution, Length of Comments. (1) Symonetrical | normal distribution: in this mean, median, and mode is approximately egg equal. i. Mean = Median = Mode Example !- Age, reight, beight

(m) Left Skewed date: - it is also known as

'hegative Skew date'. in Hiss

the Mode is heighest than Median and

then Mean.

i.e.

Mode > Median > Mean

Ex -> Life span of human being

Print court

Mens > Heding > Hook