

4.) What is the value of 99 Percentile?

2, 2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 10, 11, 11, 12

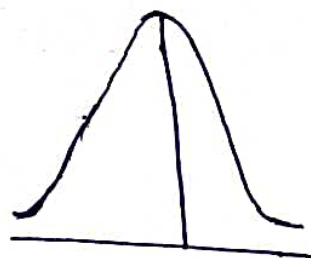
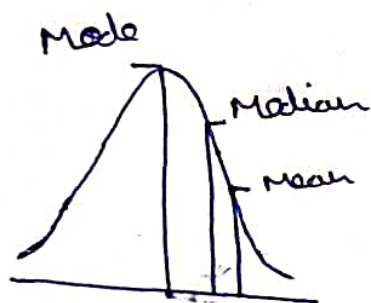
$$99^{\text{th}} \text{ Percentile} = \frac{\text{Percentile}}{100} \times (n+1)$$

$$= \frac{99}{100} \times 21$$

$$= 20.79 \rightarrow \text{Index}$$

\therefore The value of 99 Percentile is $\rightarrow 12$

5.) In left. at right-skewed data is the relationship between mean, median, mode? Draw a graph to response the same.



In Right Skewed Distribution: $\text{Mean} > \text{Median} > \text{Mode}$

Eg:- wealth distribution

In left skewed Distribution: $\text{Mean} < \text{Median} < \text{Mode}$

Eg:- Age, weight

In Normal distribution: $\text{Mode} = \text{Median} = \text{Mean}$

Eg :- life span.