Q. 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

Sol

$$\text{Index} = \frac{\text{percentile}}{100} \times n$$

$$= \frac{99}{100} \times 20$$

$$\Rightarrow \frac{99}{5} \Rightarrow 19.8 \text{ th position}$$

Answer → 11