

Que what is the value of the 99 percentile ?

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

Ans

$$\text{Value} = \frac{\text{percentile}}{100} \times n.$$

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

$$\text{Value} = 19.8 \text{ (Index)}$$

$$19.8 \text{ Index values} = \frac{11 + 12}{2} = 11.5$$

$$99 \text{ percentile value} = 11.5 //$$