

10.

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

$$n=20$$

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

$$P=99$$

$$= \frac{99}{100} (20+1)$$

$$= \underline{20.79} = \underline{20\text{ index}}$$

99 percentile is 12

but it is 20 index