## Results

## SARDA, SANJIT

This assessment has been regraded. Question 3 has been affected.



**10.5**Out of 12 points

**08:21**Time for this attempt

## Your Answers:

1 1/1 point

Suppose the number of hours of sleep students get per night has a unimodal and symmetric distribution with a mean of 7 hours and a standard deviation of 1.5 hours. Approximately what percent of students sleep more than 8.5 hours per night?

**5%** 

**V** 0

O 16%

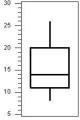
34%

**68%** 

84%

2 0/1 point

Answer the questions using the boxplot below



Within which interval would you expect to find the largest number of observations?

O 5-11

× O

O 11-14

Correct Answer:

All the intervals contain approximately equal number of observations

14-20

20-30

All the intervals contain approximately equal number of observations

This question has been regraded.

Previous score 1/1 point Regrade score 1/1 point

A candy company produces packets of candy every day. Each packet they produce has a slightly unique weight. The mean of the weights is 66g, and the variance of the weights is 19g.

What is the minimum weight of a packet of candy with a z-score of 0.2? (round to the nearest tenth as needed)

* 6/
Correct Answer: 69.8
4 1/1 point
Which of the following is correct about Z-scores?
Z-score has the same units as the standard deviation
Z-score measures the distance between an observation and the median.
A positive Z-score is more unusual than a negative Z-score
Z-scores should only be used when distribution is unimodal and symmetric
5 0.5/1 point
A study was conducted in order to determine whether longevity (the length a person lives) is related to a person's handedness (right-handed/left-handed). Which of the following would be the best for examining this type of relationship? (Select all that apply)
Two-way table
✓ ✓ Five-number summary
✓ Boxplots
X Grouped bar chart
Selected Answer - Incorrect
6 1/1point
The test scores of 20 students are listed below. 44, 46, 52, 56, 60, 63, 66, 71, 73, 80, 82, 83, 86, 88, 90, 91, 92, 94, 97, 98 Find the interquartile range for the sample using the method introduced in class.
<b>✓ ○</b> 29
O 29.5
○ 28
<u>30</u>
7 1/1 point
Which of the following information cannot be obtained from a boxplot?
✓ <b>O</b> Mode
Optential outliers
☐ Inter-Quartile Range
Range
Symmetry/skewness
8 1/1 point
Which of the following statements is incorrect about the center of a distribution?
The mode is mostly used for categorical data, but the least used for numerical data
The median is easily affected by extreme values in the data
The mean, mode and median are equal in a symmetric distribution
The mean does not represent the typical value well in an highly skewed distribution
9 1/1 point

Home prices in a particular city for a recent month are shown in the accompanying histogram.

