Post-test **Unit Statistics(3)** **Time 10 minutes**

Subject Mathematics Semester 1 **Mathayomsuksa 3** **Questions 10**

Direction: Choose the best answer.

1. The heights (in centimeters) of 4 people in the classroom are 150, 146, 142, and 138. What is the average height of people in this classroom? (Understand, MA 3.1 G.9/1)

   A. 140

   B. 142

   C. 144

   D. 148

2. From the following data 12, 6, 9, 3, 8, 6, 4, 10, 7. What is the value of Q_2?

   (Understand, MA 3.1 G.9/1)

   A. 6.5

   B. 7

   C. 7.5

   D. 8

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3. From the following data 12, 6, 9, 3, 8, 6, 4, 10, 7. what is the value of $Q_1 + Q_2$?

(Understand, MA 3.1 G.9/1)

A. 10

B. 12

C. 13

D. 14

4. The students' math test scores are as follows.

81, 85, 79, 73, 92, 86, 86, 77, 72, 74

Which of the following is **incorrect**? (Analysis, MA 3.1 G.9/1)

A. The highest score is 92 points

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B. Q_2 is 7 less than Q_3

C. Q_1 is 74

D. The range is 20

5. From the following data 3, 4, 5, 4, 7, 9, 5, 11, 6. If *X* is the median and Y is the range, find the value of *Y* - *X* (Understand, MA 3.1 G.9/1)

A. 1

B. 2

C. 3

D. 4

6. From the following data 10, 12, 14, 14, 16, 17, 18, 18. Which of the following is **correct**? (Understand, MA 3.1 G.9/1)

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A. Range = 2

B. Range = 4

C. Range = 6

D. Range = 8

7. From the following data 13, 7, 15, 3, 9, 19, 5, 11, 17. What is an interquartile range of this data?

(Understand, MA 3.1 G.9/1)

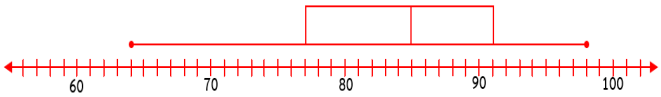
A. 5

B. 10

C. 15

D. 16

8. The following box-and-whisker diagram shows the mathematics exam scores of class Y.



Which of the following is **correct**? (Remember, MA 3.1 G.9/1)

A. The range is 35 points

B. The median is 86 points

C. The Interquartile range is 15 points

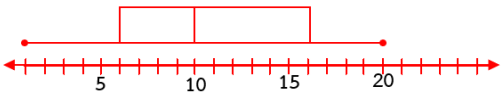
D. Q_3 is 91 points

Post-test **Unit Statistics(3)** **Time 10 minutes**

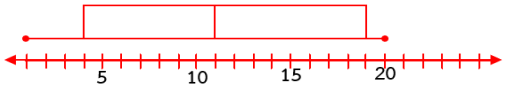
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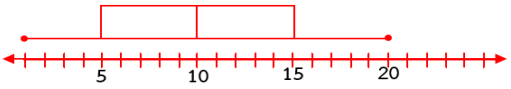
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9. A data set consists of 1, 6, 6, 7, 9, 11, 14, 16, 16, 20. Which of the following is the box-and-whisker diagram of the data set? (Analysis, MA 3.1 G.9/1)

A. 

B. 

C. 

D. 

Post-test **Unit Statistics(3)** **Time 10 minutes**

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10. There is a group of 10 students including Kit, Kat, and Kut. The exam score is as follows.

- Kit gets the 7th score when ranking descending
- Kat gets the 3rd quartile score
- Kut gets the median score

Which of the following order their scores correctly? (Application, MA 3.1 G.9/1)

A. Kat < Kit < Kut
B. Kit < Kat < Kut
C. Kit < Kut < Kat
D. Kut < Kit < Kat