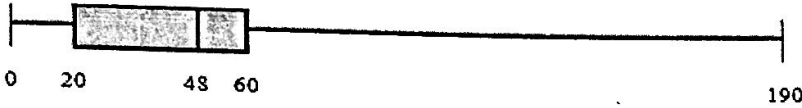
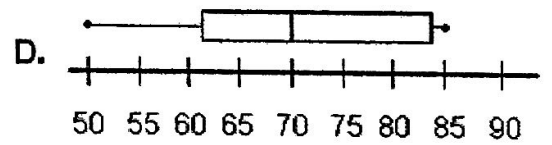
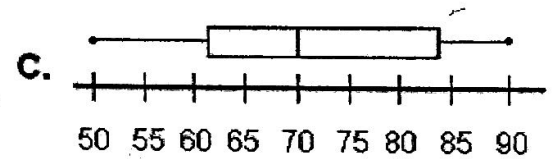
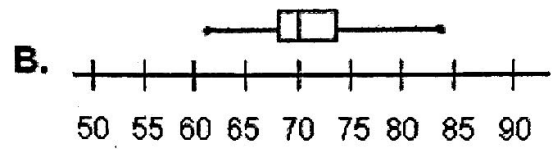
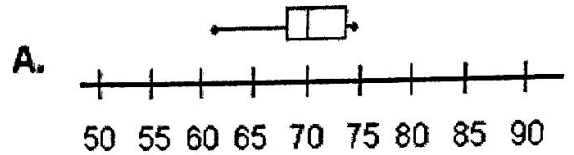


Homework: Boxplots & Outliers

Average Minutes Per Night Spent On Homework



Test Scores in four different classes are shown in the boxplots below.



1. Find the IQR:

$60 - 20 = 40$

2. Show work to support that the 190 is an outlier or not.

② $40 \times 1.5 = 60$

③ $Q3 + \underline{\hspace{1cm}}$

$60 + 60 = 120$

Yes, the 190 is an outlier because it is above 120.

3. What would the shape of this boxplot be?

4. What was the median minutes per night spent on homework?

5. What is the minimum amount of time that students spend per night on homework?

6. What percent of the students spend at least 20 minutes per night on homework?

7. What percent of the students spend LESS than 20 minutes per night on homework?

8. What do you notice about the medians of the four different classes?

9. Which class had the highest score?

10. Which class(es) had the lowest score?

11. In class C, what percent of the students scored between a 50 and a 62?