Math 7CP Homework
Jan 27 – 30, 2020

Name _____
Per ____ Date _____

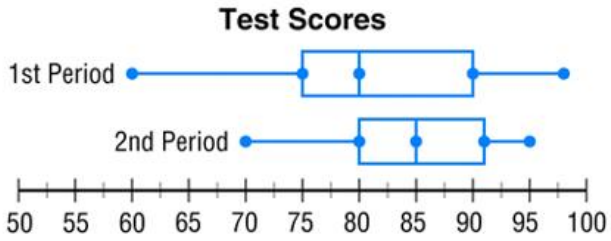
BOLDED – CALCULATOR OKAY
NOT BOLDED – DO NOT USE CALCULATOR

MONDAY

1. Find the sum or difference: **a.** –56 –14 + 12 **b.** 14 – 56 – 15 **c.** 16 – (–16) – 16

2. Solve $\frac{x}{3} - 10 = 12$ and **check your answer.**

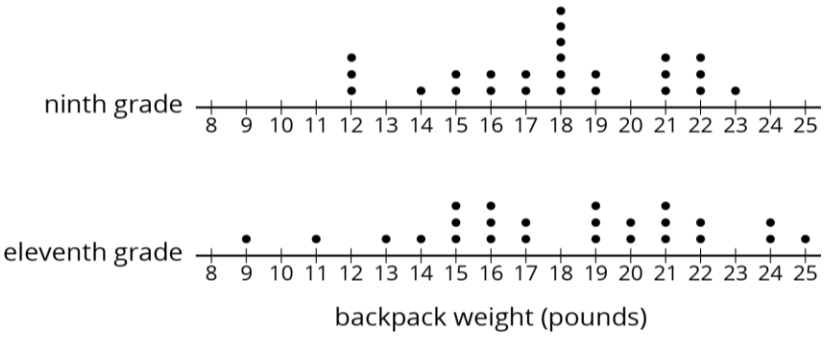
3. The data for the end of course exam scores were collected in Ms. Martinez's 1st and 2nd period classes. The data is displayed in the double box-and-whisker plot below.
What is the IQR for Period 1? _____ What is the IQR for Period 2?_____How much greater is the IQR for Period 1 than for Period 2? _____



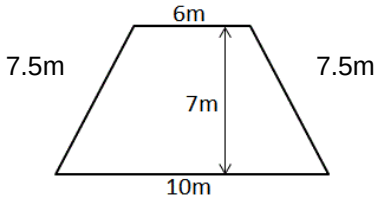
TUESDAY

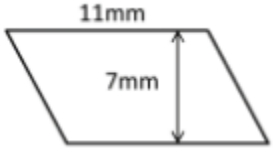
1. Simplify by combining like terms:
a. – 3(x + 2y) + 10x – 5z – 6y **b**. 11f – 2(3m – 7x) + 10m – 5f

2. Compare the weights of the backpacks for the students in these two classes using measures of center and variation. *(Remember: Use mean and MAD for symmetric populations; use median and IQR for skewed populations).*



3. Find the area of each figure.





WEDNESDAY

1. If five slices of pizza cost $8.75, how much do two slices cost? Ten slices? Half of a slice?

2. A school's art club holds a bake sale on Fridays to raise money for art supplies. Here are the number of cookies they sold each week in the fall and in the spring:

fall	20	26	25	24	29	20	19	19	24	24
spring	19	27	29	21	25	22	26	21	25	25

a) Find the mean number of cookies sold in the fall and in the spring.

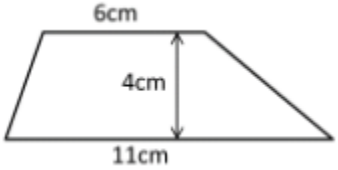
b) The MAD for the fall data is 2.8 cookies. The MAD for the spring data is 2.6 cookies. What does this information mean about the spread of each data set? *(Think, is the data more spread out in the fall or in the spring?)*

3. Solve $\frac{x}{6} + 8 = -5$ and **check your answer.**

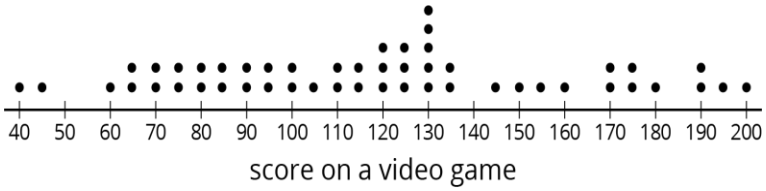
THURSDAY

1. Solve $4(x + 12) = 38$

2. Find the area of each figure.



3. This is a dot plot of the scores on a video game for a population of 50 teenagers.



The three dot plots below are the scores of teenagers in three different samples from this population. Which of the three samples is most representative of the population? **Explain how you know.**