

**T2-10:** Number \_\_\_\_\_ Name \_\_\_\_\_ Period \_\_\_\_\_

Solve the following using a number line.

1)  $-3 - (-10)$



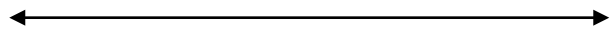
2)  $4 - 8$



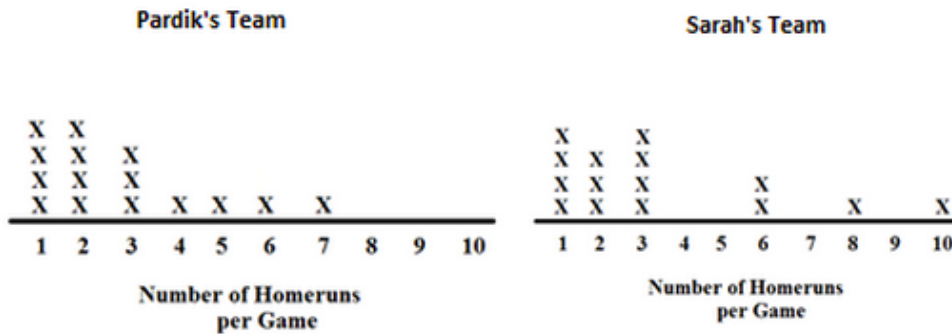
3)  $\frac{1}{4} - \frac{3}{5}$



4)  $-\frac{2}{3} - \left(-\frac{5}{6}\right)$



The data below shows the number of homeruns of two baseball teams: Pardik's Team and Sarah's Team.



- 5) What is the mean of the number of homeruns from Pardik's Team?
- 6) What is the MAD of the number of homeruns from Pardik's Team?
- 7) The Mean of Sarah's team is 3.5. Which team has the greater number of homeruns overall? How do you know?
- 8) The MAD of Sarah's team is 2.2. Which team has the greater variance? How do you know?

9) When you subtract  $-2 - (-10)$  the answer is  $+8$ . What about the problem makes you go to the right on the number line?

10) Explain, using complete sentences, why the following number sentence is incorrect. Then show how to get the correct answer.

$$\frac{-1}{3} + \frac{3}{4} = \frac{2}{7}$$