Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework WEEK 10**

Solve the following problems **without a calculator**. You *MUST* show your work. **IPS strategy** must be used on all Word Problems.

***NO WORK = NO CREDIT.***

**Homework – Monday**

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| 1. Write an expression that is equivalent to: -5 (-4 + 2k) | 2. Solve.  7a + 4 - 13a = 46 |
| 3. Online concert tickets cost $15 each, plus a service charge of $3.50 per ticket. You paid $240.50. How many tickets did you buy?  | 4.Solve and graph on a number line. 3.8 + d < 2.6 5 |

**Homework- Tuesday**

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| 1.Write an inequality for the following word phrase: You must have an average of at least 65 to pass math class.  | 2. Solve and graph on a number line. z + 17 ≤ -13 |
| 3. A recipe for homemade ice cream calls for 6 cups of cream, 1 cup of sugar, and 2 cups of fruit. Write the ratio of cups of fruit to cups of cream.  | 4. Solve.  8b - 5 = 9 3 |

**Homework - Wednesday**

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| 1. Solve and graph on a number line.  2 + t < 5 3 6 | 2. Jennifer paid $10.70 for 10 gallons of gasoline. Alex paid $15.60 for 12 gallons of gasoline. Who paid the higher price per gallon? Explain.  |
| 3. Write an inequality for the following word phrase: The large tree in the park is more than 200 years old.  | 4. The formula for converting temperatures in degrees Celsius (C) to temperatures in Fahrenheit (F) is:$F=\frac{9}{5}C+32$The temperature is 82∘ F. What is the temperature in degrees Celsius? |

**Homework - Thursday**

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| 1. A soccer league has 25 sixth-graders, 30 seventh-graders, and 15 eighth-graders. Write the ratio of seventh-graders to total students.  | 2. Write 2 equivalent ratios.

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| 3. Leslie bought 2 pairs of jeans at $20 each and 4 shirts. She spent a total of $85 before tax. What is the cost of 1 shirt? | 4. Samiah rode her bike 104 miles at a constant speed for 8 hours. How long did it take her to ride 26 miles?  |