<u>**WEEK 3**</u>:   <u>**SOLVING INEQUALITY**</u>

- WORD PROBLEMS

<u>**LESSON**</u> **7-8**

<u>**INDEPENDENT PRACTICE**</u>:

<u>**Write an inequality**</u> **to represent EACH of the following Verbal statements below**:

1. Ann had $10. After spending $$x$ on snacks, she has less than $5 left.
2. When a whole number x is subtracted from 20, the result is less than 15.
3. The length of a rectangle is y cm and the width is 9 cm. The perimeter must not exceed 50 cm.
4. If the number 3 is added to a whole number w, the result will exceed **20**.
5. John has **3** apples more than his friend Paul. If Paul has x number of apples and together they have at least **13** apples.

Solve the following Inequality and state the solution set with at least 3 numbers.

1. $12x - 8 < 15$ 3. $6y + 5 > 8$

2. $15 < 10z - 19$ 4. $9x + 1 > 13 - 3x$