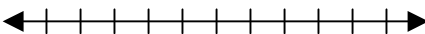Name_____ Date_____

Solving Inequalities   **Worksheet**
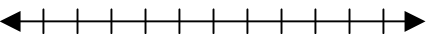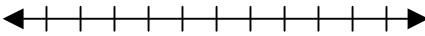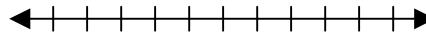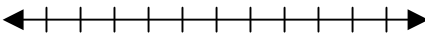
Lesson Objectives
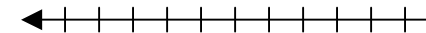
  to solve equations inequalities
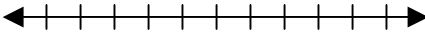
Solve and graph each inequality

1. $x + 5 > 2$

2. $4x - 5 \geq 23$
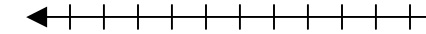
3. $-5x + 7 \leq 27$
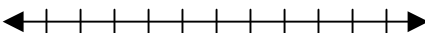
4. $3x + 8 > 2$
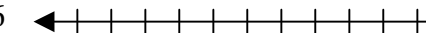
5. $2x + 8 \leq 4$

6. $-6x - 4 \geq 8$

7. $4x - 6 < 3x - 1$

8. $-4x + 12 \geq 4$

9. $3x + 5 > 2x + 5$

10. $2x + 5 < -6$

Write an inequality that represents . . .

11. A number increased by 7 is less than 15.

12. A number decreased by 2 is positive.

13. The product of a number and 2 is at least 20.

14. A number divided by 8 is no more than 6.