Math 7 - Chapter 4 Inequalities Review Worksheet
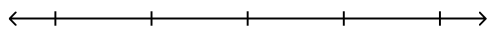
Problems 1-6: Use the following symbols to answer the questions: $=, <, >, \leq, \geq$.
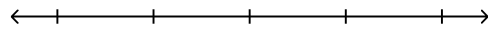
1. is at most

2. is fewer than

3. is at least

4. is greater than

5. is no more than

6. is less than

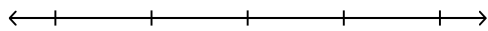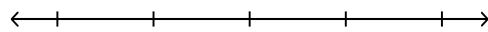**Problem 7-17: Solve each inequality and graph the solution on the number line.**

7. $x - 4 < 9$.

8. $-5 \leq q + 12$.
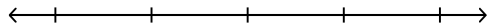
9. $-3p \geq -27$

10. $\frac{3}{4} + y < 5$

11. $s + 6.1 < -8.7$

12. $4b + 2 \leq -22$

13. $-4b + 2 < 30$

14. $\frac{x}{2} - 2 < -1$

15. $2 > \frac{j}{-4} - 1$
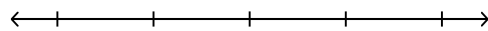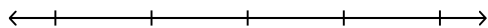
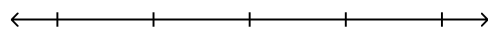16. $\frac{3}{4}x + 6 < -9$
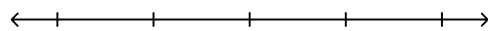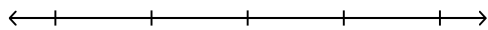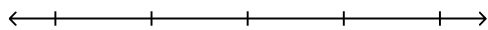
17. $5.3 \geq 0.4x + 2.1$

Problems 18-20: Translate the verbal sentence into an inequality and solve.

18. Thirty-four is less than the sum of a number and negative thirteen.

19. The difference of negative six and a number is no more than twelve.

20. Twenty four is at most the product of three and a number.