

Math 7 - Inequalities Extra Practice Worksheet**Problems 1-23: Solve each inequality. Graph the solution on a number line.**

1. $p + 9 < 20$

13. $\frac{x}{5} > 13$

2. $z - 11 > 13$

14. $\frac{p}{-7.4} < -2.7$

3. $-84 + x \leq 38$

15. $-18 \leq -\frac{1}{2}x$

4. $z - 9 \geq -1$

5. $d + 16.412 \leq -25.68$

16. $\frac{-1}{6}p \geq \frac{4}{8}$

6. $t + \frac{1}{6} > \frac{4}{5}$

17. $\frac{1}{5}z > \frac{3}{8}$

7. $x - \frac{1}{8} < \frac{3}{7}$

18. $-6k + 11 < 65$

8. $19x \leq -95$

19. $19q + 4 < 80$

9. $-8 > 2x$

20. $10 - \frac{1}{5}b \leq -18$

10. $7.2x \leq 216$

21. $32.4 + 10.8r > 54$

11. $5.09w \leq 6.108$

22. $-7b + 7 \leq 58.8$

12. $-10 \leq \frac{x}{6}$

23. $\frac{x}{12} + \frac{1}{3} \geq \frac{5}{6}$

Problems 24-25: Translate the verbal sentence into an inequality and solve.

24. Forty-two is at least the product of 6 and a number.

25. The difference between negative three times a number and eight is no more than 7.