

Ready to Go On?



Personal Math Trainer

Online Practice and Help

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7.1 Writing and Solving One-Step Inequalities

Solve each inequality.

1. $n + 7 < -3$ _____

2. $5p \geq -30$ _____

3. $14 < k + 11$ _____

4. $\frac{d}{-3} \leq -6$ _____

5. $c - 2.5 \leq 2.5$ _____

6. $12 \geq -3b$ _____

7. Jose has scored 562 points on his math tests so far this semester. To get an A for the semester, he must score at least 650 points. Write and solve an inequality to find the minimum number of points he must score on the remaining tests in order to get an A.

7.2 Writing Two-Step Inequalities

8. During a scuba dive, Lainey descended to a point 20 feet below the ocean surface. She continued her descent at a rate of 20 feet per minute. Write an inequality you could solve to find the number of minutes she can continue to descend if she does not want to reach a point more than 100 feet below the ocean surface.

7.3 Solving Two-Step Inequalities

Solve.

9. $2s + 3 > 15$ _____

10. $-\frac{d}{12} - 6 < 1$ _____

11. $-6w - 18 \geq 36$ _____

12. $\frac{z}{4} + 22 \leq 38$ _____

13. $\frac{b}{9} - 34 < -36$ _____

14. $-2p + 12 > 8$ _____



ESSENTIAL QUESTION

15. How can you recognize whether a real-world situation should be represented by an equation or an inequality?
