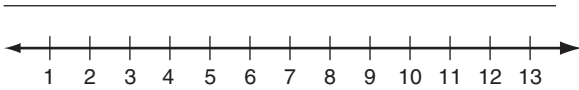


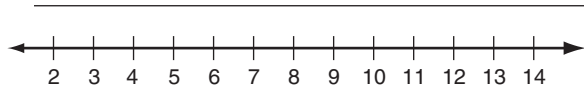
LESSON **Practice B**
3-4 Solving Two-Step and Multi-Step Inequalities

Solve each inequality and graph the solutions.

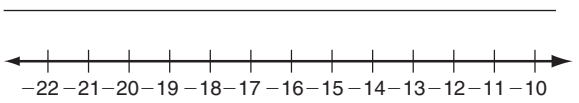
1. $-3a + 10 < -11$



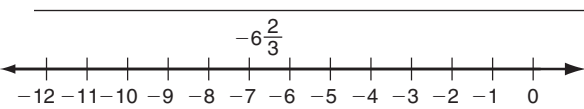
2. $4x - 12 \geq 20$



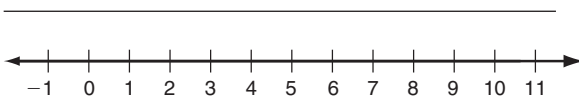
3. $\frac{2k - 3}{-5} > 7$



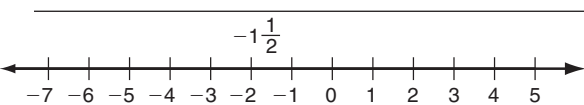
4. $-\frac{1}{5}z + \frac{2}{3} \leq 2$



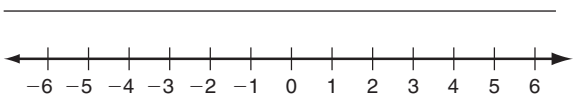
5. $6(n - 8) \geq -18$



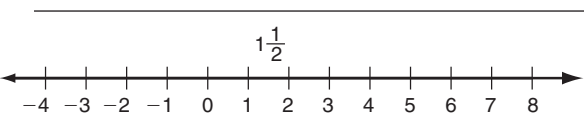
6. $10 - 2(3x + 4) < 11$



7. $7 + 2c - 4^2 \leq -9$



8. $15p + 3(p - 1) > 3(2^3)$



Write and solve an inequality for each problem.

9. A full-year membership to a gym costs \$325 upfront with no monthly charge. A monthly membership costs \$100 upfront and \$30 per month. For what numbers of months is it less expensive to have a monthly membership?

10. The sum of the lengths of any two sides of a triangle must be greater than the length of the third side. What are the possible values of x for this triangle?

