

Lesson 3.8 Review & Refresh

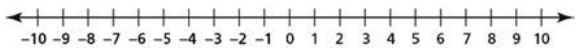
1. You sold half of your comic books and bought 12 more. You now have 48 comic books. Write and solve an equation to find the number of comic books you originally had.
2. You want to drive 150 miles in 2.5 hours. Write and solve an inequality to find the speed you must drive.

Solve the inequality. Graph the solution.

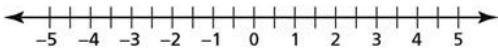
3. $d - 9 \leq -15$



4. $4a > 16$



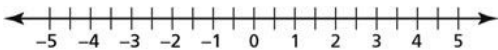
5. $b + 3.4 > 2.6$



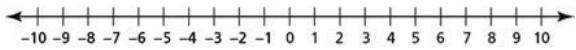
6. $-1.1y > 9.9$



7. $a - \frac{4}{9} > \frac{5}{9}$



8. $\frac{x}{0.5} \geq 9$



Solve the equation. Check your solution.

9. $3.1(2z - 2.8) = -9.3$

10. $-2.4w + 8 - 3.2w - 7 = 10.2$

11. $\frac{2}{3}z + \frac{3}{4} = \frac{5}{12}$

12. $-4(1.5y + 2) = -6.5$