

Name: _____

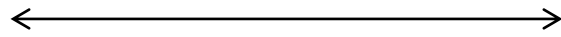
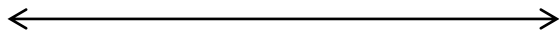
Period: _____ Date: _____

Compound Inequalities

Solve for the variable and graph the solution on the number line.

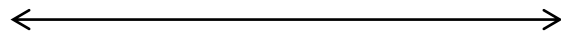
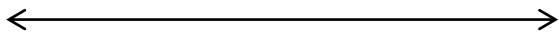
1. $-3 < x + 5 < 14$

2. $y - 2 < -7$ or $\frac{y}{-3} < -4$



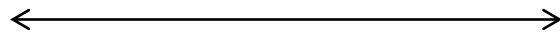
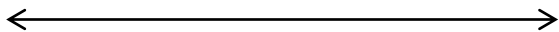
3. $-5m > 15$ or $m - 11 > -3$

4. $-7 < \frac{h}{4} < 9$



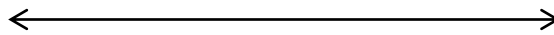
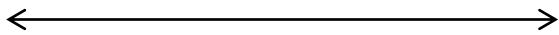
5. $5 - k < 1$ or $k + 2 \geq 3k - 2$

6. $5 + 2w < 6$ or $7w - 3 > 11$



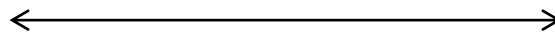
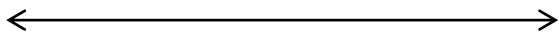
7. $-15 < 5q \leq 20$

8. $-5 \leq 3a - 4 < 17$



9. $7p - 1 > p + 11$ or $-11p + 8 \geq 41$

10. $-14 < 3z + 7 \leq 19$



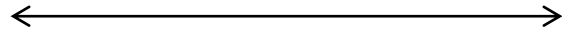
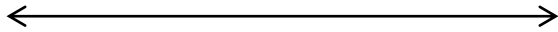
11. $\frac{1}{3}w - \frac{1}{6} < \frac{1}{2}$ or $\frac{3}{5}w \geq \frac{w}{5} + 2$

12. $-35 \leq 24x + 13 < 85$



13. $-27 \leq -3(m + 5) < 18$

14. $-6 \leq \frac{k-9}{4} < 2$



15. $-5 < 2(2 - f) + 1 \leq 9$

16. $\frac{x-3}{6} < x - 1$ or $\frac{x-6}{3} \leq x + 4$

