

Name: _____

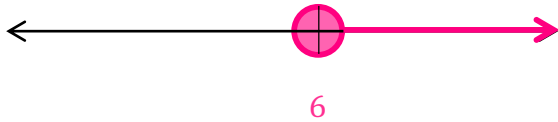
Period: _____ Date: _____

Solving Inequalities by Combining Like Terms Answers

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

1. $5h - 3h \geq 12$

$6 \leq h$



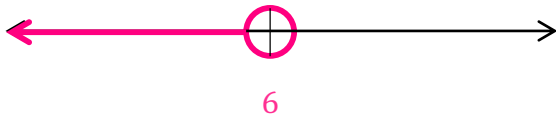
2. $7k - 12k < 20$

$-4 < k$



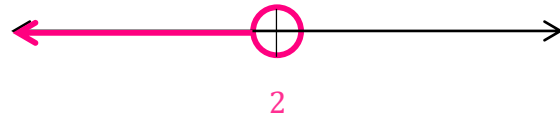
3. $-9y + 6y > -18$

$y < 6$



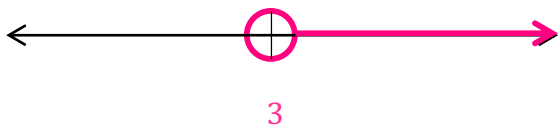
4. $10g - 16 < 2g$

$g < 2$



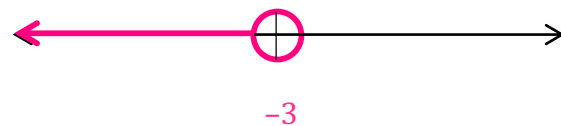
5. $6a + 27 < 15a$

$3 < a$



6. $15 - 3k < -8k$

$k < -3$



7. $3x + 12 < x$

$x < -6$



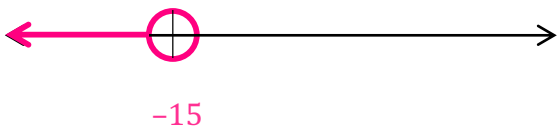
8. $-10a > 12 - 6a$

$a < -3$



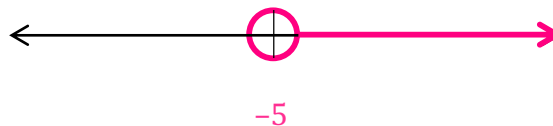
9. $\frac{2}{3}w + 5 < \frac{1}{3}w$

$w < -15$



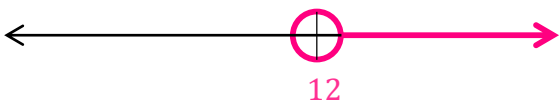
10. $3p - 7p < p + 25$

$-5 < p$



11. $\frac{1}{2}h + 4 < \frac{5}{6}h$

$12 < h$



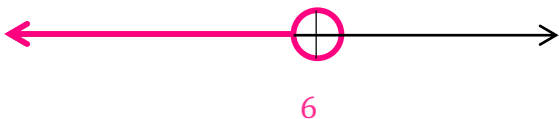
12. $-5q - 6q < 3q + 42$

$-3 < q$



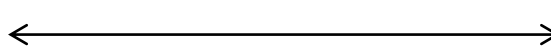
13. $8y > 12y - 24$

$y < 6$



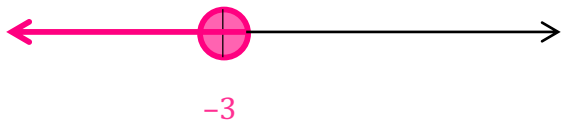
14. $8m - 9m > 13 - m$

no real solutions



15. $2(x - 3) \geq 4x$

$x \leq -3$



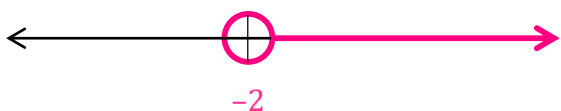
16. $-5(f - 4) \geq -7f$

$-10 \leq f$



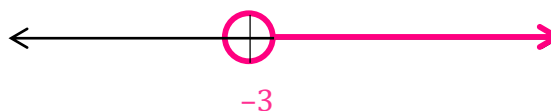
17. $\frac{h-10}{3} < 2h$

$-2 < h$



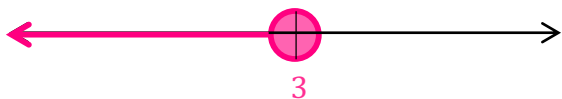
18. $\frac{12-8g}{-2} < 6g$

$-3 < g$



19. $9(4 - 2k) \geq -6k$

$k \leq 3$



20. $\frac{2g-90}{-4} < 7g$

$3 < g$

