

Name: _____

Period: _____ Date: _____

Inequalities Review Answers

Section I. Determine which Value is greater than, less than, or equal to

1. $15 > -8$

2. $-20 < -11$

3. $\frac{4}{5} = .8$

4. $-12 < -3$

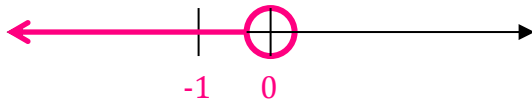
5. $-\overline{.33} = -\frac{1}{3}$

6. $\frac{13}{5} < \frac{24}{7}$

Section II. Solve and Graph the Inequality

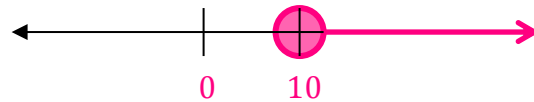
7. $r + 4 < 3$

$$r < -1$$



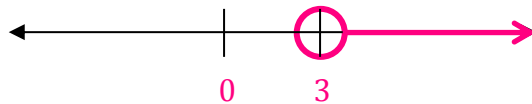
8. $-8 + a \geq 2$

$$a \geq 10$$



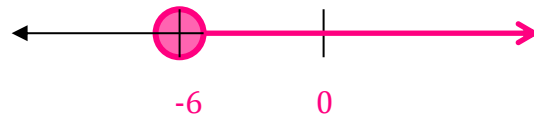
9. $5f > 15$

$$f > 3$$



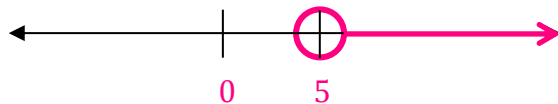
10. $-3c \leq 18$

$$c \geq -6$$



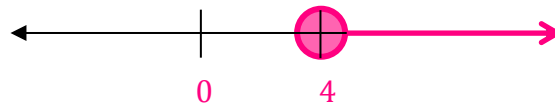
11. $2x - 9 > 1$

$$x > 5$$



12. $-2j - 7 \leq -15$

$$j \geq 4$$



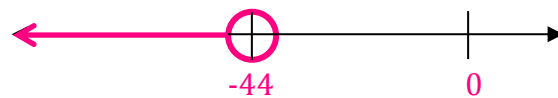
13. $\frac{y}{5} < 9$

$$y < 45$$



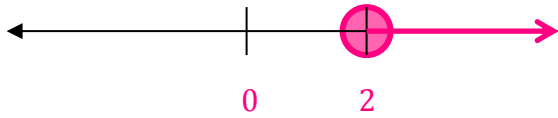
14. $\frac{r}{-11} > 4$

$$r < -44$$



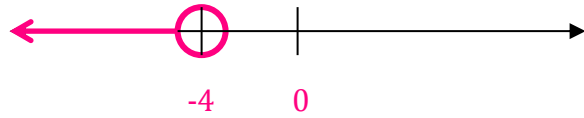
15. $-9 + 16h \geq 5h + 13$

$h \geq 2$



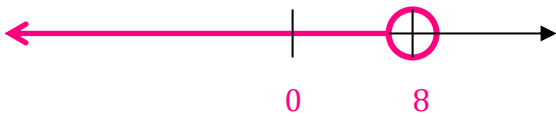
16. $4 - 7x > 2x + 40$

$x < -4$



17. $3(2n - 4) < 36$

$n < 8$



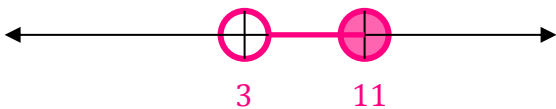
18. $\frac{2}{5}g - 2 \leq 10$

$g \leq 30$



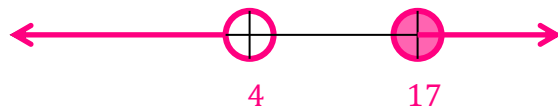
19. $-5 < x - 8 \leq 3$

$3 < x \leq 11$



20. $3x < 12$ or $x - 4 \geq 13$

$x < 4$ or $x \geq 17$



21. $-18 \leq -3x < 9$

$6 \geq x > -3$
 $-3 < x \leq 6$



22. $-5 \leq -4x + 7 \leq 27$

$3 \geq x \geq -5$
 $-5 \leq x \leq 3$



23. $5x - 4 > 11$ or $-6x \geq 30$

$x > 3$ or $x \leq -5$



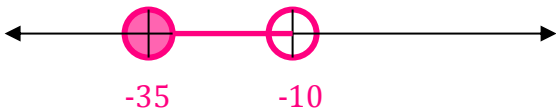
24. $3 < -2x - 9$ or $-x < -4$

$x < -6$ or $x > 4$



25. $-2 < -\frac{2}{5}x - 6 \leq 8$

$-10 < x \leq -35$
 $-35 \leq x < -10$



26. $-5(x + 2) > 40$ or $7 - x < 13$

$x < -10$ or $x > -6$

