



Math on the Fly!



NAME: _____ DATE: _____

Solving Two-Step Inequalities

Solve each inequality and graph the solution on a number line.

1. $3x + 5 > 17$ 2. $\frac{e}{4} - 6 \leq 9$ 3. $-x + 8 \geq 20$

4. $\frac{v}{7} + 1 < 11$ 5. $2y - 9 > 13$ 6. $2 \geq \frac{w}{5} - 4$

7. $\frac{x+8}{2} \geq 5$ 8. $49 > 7 + 6a$ 9. $20 < \frac{x-2}{3}$

10. $-8x - 4 \leq 12$ 11. $\frac{c}{-4} + 5 \geq 5$ 12. $8u - 1 < -9$

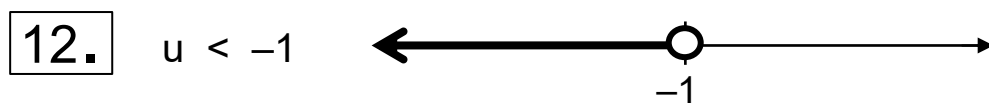
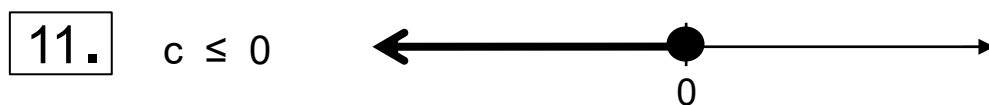
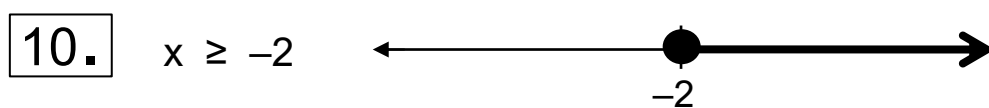
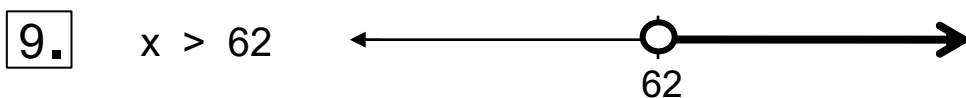
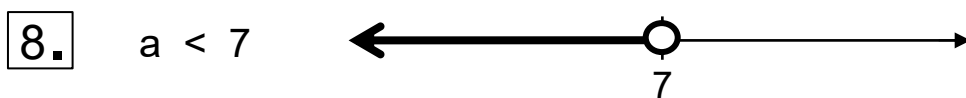
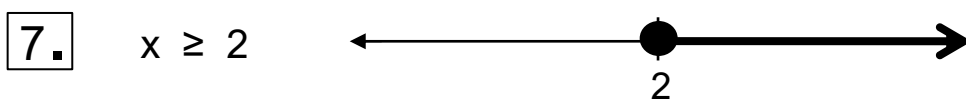
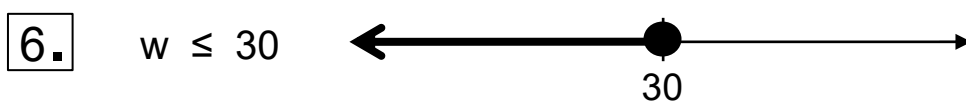
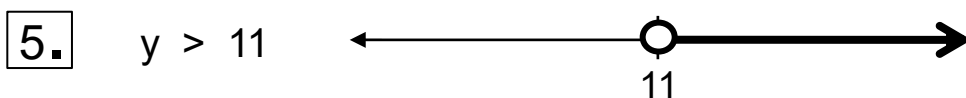
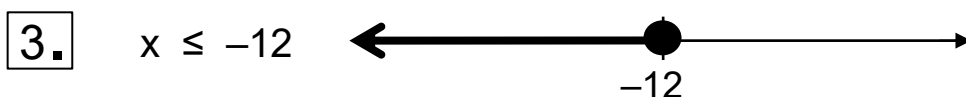
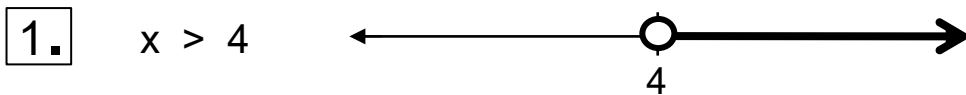
13. $\frac{z-7}{-10} > -6$ 14. $-2x + 9 \leq 3$ 15. $-8 \leq \frac{x+5}{6}$

16. $\frac{w}{9} - 8 < -5$ 17. $5d - 3 > 12$ 18. $2 \geq \frac{m}{4} + 7$

19. $31x + 6 \geq 37$ 20. $\frac{a+2}{-2} < -1$ 21. $-b - 6 > 9$

22. $\frac{c-4}{5} \leq 0$ 23. $-x \leq -3$ 24. $\frac{8+x}{-1} > 8$

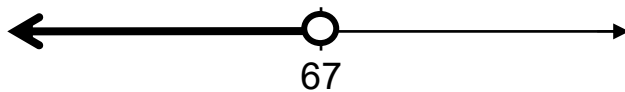
SOLUTIONS



SOLUTIONS

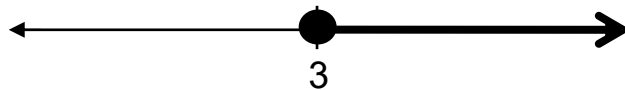
13.

$z < 67$



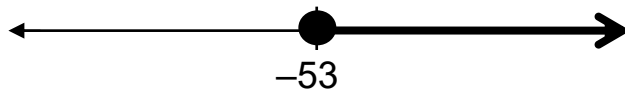
14.

$x \geq 3$



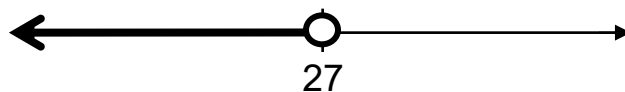
15.

$x \geq -53$



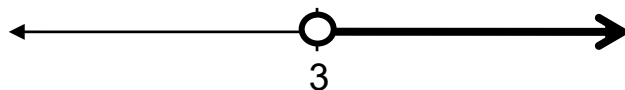
16.

$w < 27$



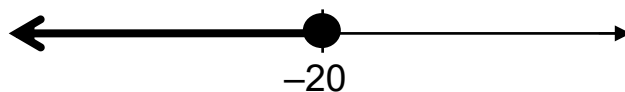
17.

$d > 3$



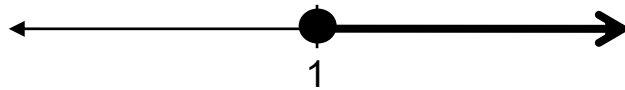
18.

$m \leq -20$



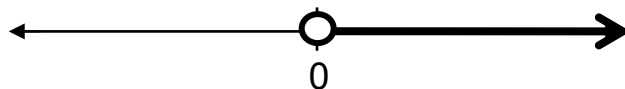
19.

$x \geq 1$



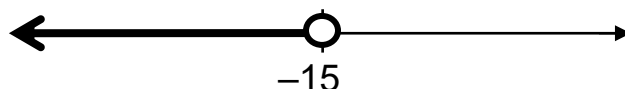
20.

$a > 0$



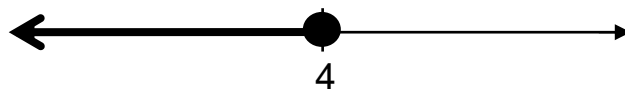
21.

$b < -15$



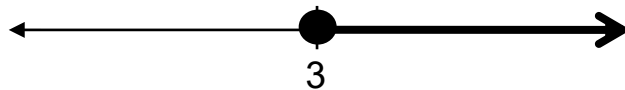
22.

$c \leq 4$



23.

$x \geq 3$



24.

$b < -16$

