



# Math on the Fly!



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## Graphing “AND” and “OR” Inequalities on Number Lines

Graph each inequality on a number line.

1.  $x \leq 7$  or  $x \geq 10$

2.  $x > 2$  and  $x < 6$

3.  $-3 < x \leq 14$

4.  $x \leq -9$  or  $x > 5$

5.  $x < -8$  or  $x \geq 0$

6.  $x \geq -11$  and  $x < -1$

7.  $x \geq 0$  and  $x \leq 8$

8.  $x < -17$  or  $x > -4$

9.  $x < -3$  or  $x \geq 9$

10.  $-20 < x < -16$

11.  $x > 1$  and  $x < 13$

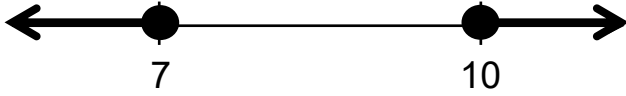
12.  $x \leq -7$  or  $x > 12$

13.  $x < 0$  or  $x > 2$

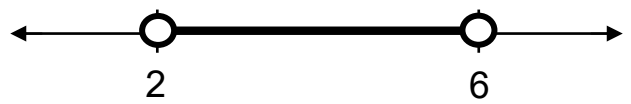
14.  $x \geq -4$  and  $x \leq -1$

## SOLUTIONS

1.  $x \leq 7$  or  $x \geq 10$



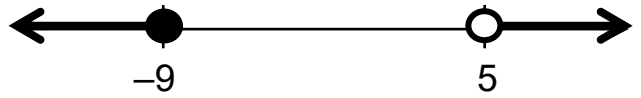
2.  $x > 2$  and  $x < 6$



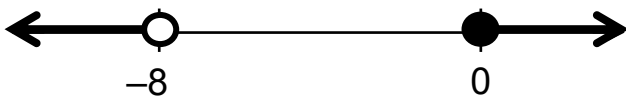
3.  $-3 < x \leq 14$



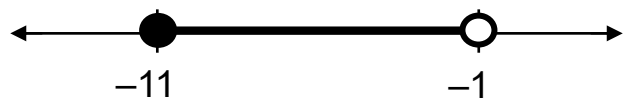
4.  $x \leq -9$  or  $x > 5$



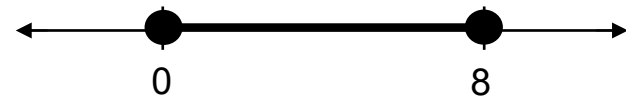
5.  $x < -8$  or  $x \geq 0$



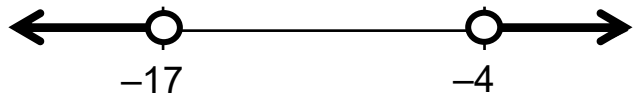
6.  $x \geq -11$  and  $x < -1$



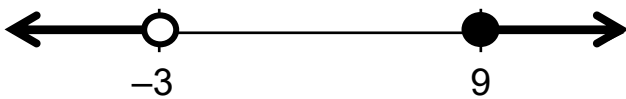
7.  $x \geq 0$  and  $x \leq 8$



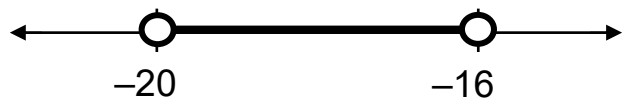
8.  $x < -17$  or  $x > -4$



9.  $x < -3$  or  $x \geq 9$



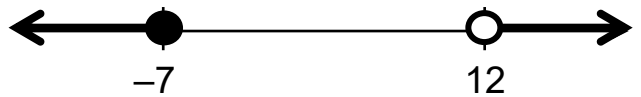
10.  $-20 < x < -16$



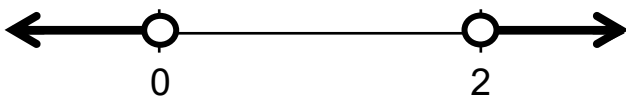
11.  $x > 1$  and  $x < 13$



12.  $x \leq -7$  or  $x > 12$



13.  $x < 0$  or  $x > 2$



14.  $x \geq -4$  and  $x \leq -1$

