Name _____

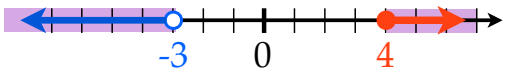
Compound Inequalities Involving "Or"

Date _____ Period _____

Compound Inequality

a pair of inequalities joined by an *and* or *or*.

$x \geq 4$ $x < -3$

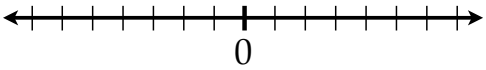


$x < -3$ *or* $x \geq 4$

To solve an inequality with *or*, find the values that satisfies *at least one* inequality.
The *union* is the solution to a compound inequality with *or*.

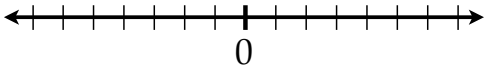
Solve and graph the following Compound Inequalities.

$x + 12 \leq 2x + 8$ *or* $8 + 2x \leq -4$



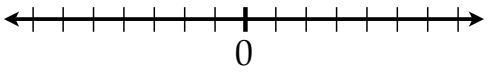
Solve and graph the following Compound Inequalities.

$2x + 8 < 6x - 8$ *or* $5 + 3x < 2$

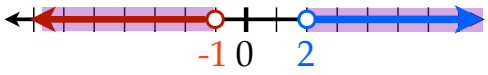


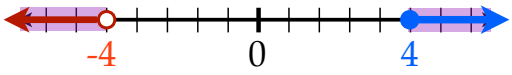
Solve and graph the following Compound Inequalities.

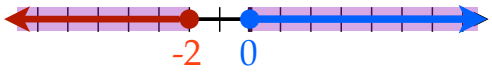
$3x - 5 \leq 5x - 15$ *or* $7 - 4x > 15$

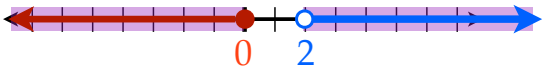


Determine the Compound Inequality for each graph.





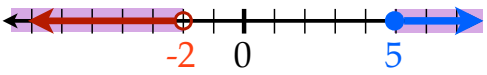




Compound Inequality

a pair of inequalities joined by an *and* or *or*.

$x < -2$ *or* $x \geq 5$



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