

Inequalities on Number Line

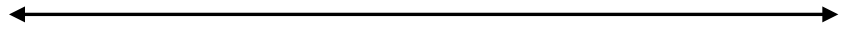
* ○ = > and <

* ● = ≥ and ≤

* Remember: when \times or \div both sides by a negative flip the inequality!!

Solve, check and graph each

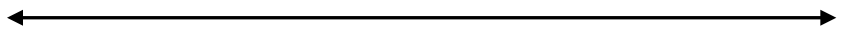
Ex1) $x \geq 5$



Ex2) $y < -2$



Ex3) $x + 7 \leq 3$



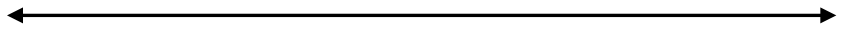
Ex4) $-3.5 \leq y - 2.8$



Ex5) $2\frac{1}{3} > x + 5\frac{1}{6}$



$$\text{Ex6) } 3x - 7 < 8$$



$$\text{Ex7) } -6y + 5 \leq -16$$



$$\text{Ex8) } -\frac{1}{4}(p - 12) > -2$$



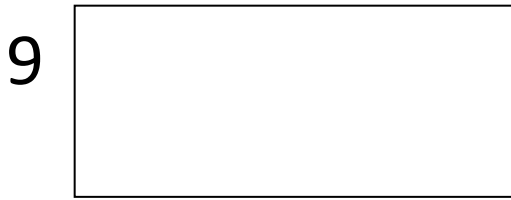
$$\text{Ex9) } 14x + 5 < 3(5x + 5)$$



Ex10) $3x + 7 \geq 4x + 3 + (-1x)$ \longleftrightarrow

Ex11) Area ≤ 54 \longleftrightarrow

$x+1$



Ex12) Area < 56 \longleftrightarrow

