

Solving Inequalities

When solving inequalities, follow the same steps that you would when solving equations. However, there are two things that you need to remember that are different.

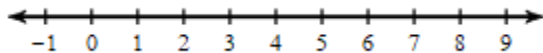
- ★ If you _____ BOTH sides of the inequality by a _____, you must _____ the inequality symbol
- ★ For your final answer, you want the _____ to be on the _____ of the inequality

Once you have your answer, you will also need to shade the number line appropriately.

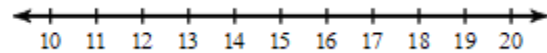
	Less Than	Greater Than
	Less Than or Equal To	Greater Than or Equal To

Make sure you show your work for each problem.

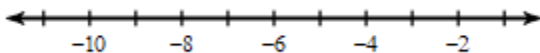
1) $4x > 4$



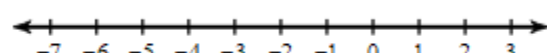
2) $n - 20 \geq -8$



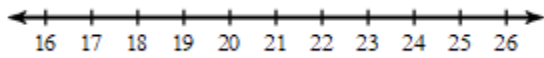
3) $9 \leq 6 - n$



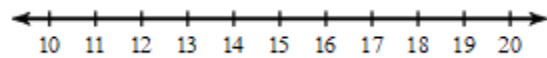
4) $-2 > 1 + p$



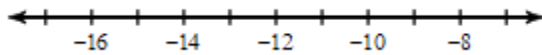
$$5) \frac{x+8}{26} \leq 1$$



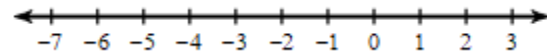
$$6) -44 \leq 1 - 3b$$



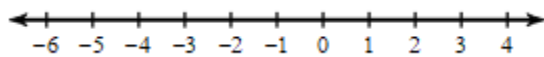
$$7) 6 \geq \frac{n}{7} + 8$$



$$8) 5(6 + n) \leq 30$$



$$9) b + 3 + 4b < -7$$



$$10) 106 \leq -8 + 6(-4n - 1)$$

