

**4-7 Homework**  
**Solving Two-Step**  
**Inequalities**

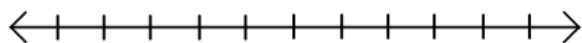
**Int 1****Unit 4**  

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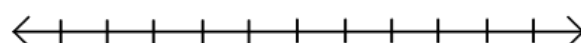
**INSTRUCTIONS:** Solve each inequality using inverse operations on both sides of the inequality, then graph your answer on the number line provided. Remember, you can check your answers.

1)  $6n + 5 < 13$

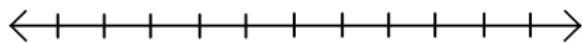
5)  $17 < 5 - 3m$



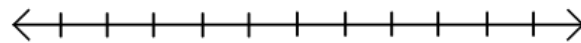
2)  $-6 \geq 14 - 5z$



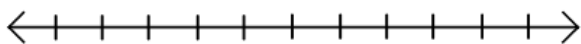
6)  $-2y - 6 \geq -18$



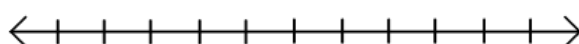
3)  $3p + (-7) > -10$



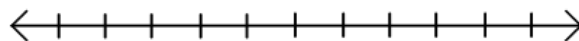
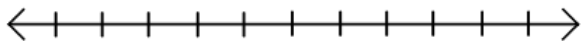
7)  $\frac{y-7}{8} < -5$



4)  $\frac{x}{14} + 5 \geq 15$



8)  $\frac{y+7}{-3} < -4$



**INSTRUCTIONS:** Solve each inequality using inverse operations on both sides of the inequality. Remember, you can check your answers.

9)  $\frac{y-5}{-8} \geq 8$

14)  $5f + (-2) < 6$

10)  $30 > \frac{x}{-6} + 23$

15)  $9(x+7) \geq 198$

11)  $-1 + 4x \leq 31$

16)  $-1 \geq -2 + \frac{r}{9}$

12)  $\frac{r}{5} - 11 \geq -10$

17)  $-16 + 2b < 13$

13)  $5 + \frac{n}{2} > 8$

18)  $-4(x-3) > -16$