***NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BLOCK: \_\_\_\_\_\_***

**Two-Step Inequality Scramble**

**Directions:** Find an inequality and color in the rectangle. Then, find the rectangle with the first step to solve the inequality and color it in. Then, find the rectangle with the second step to solve the inequality and color it in. Finish solving the inequality and find the answer and color it in. When you are done, graph each answer.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. 5x – 7 < 13
 | Add 5 to both sides | x ≥ 8 | Subtract 8 from both sides |
| 1. $\frac{x}{7}$ – 6 ≥ -5
 | Multiply by 8 | x > -3 | Divide by 5 |
| Subtract 8 from both sides | x < 4 | 5. $\frac{x}{2}$ – 5 ≤ -9 | Add 11 to both sides |
| x ≤ -8 | 1. -7x + 8 > 29
 | Multiply by 2 | 1. -4x + 8 > -4
 |
| 1. $\frac{x}{4}$ – 11 ≥ -9
 | Divide by -7 | Add 7 to both sides | x ≥ 7 |
| Multiply by 7 | Add 6 to both sides | x > 3 | Divide by -4 |

|  |  |
| --- | --- |
| 1. http://people.virginia.edu/~bph4r/num_line.jpg
 | 1. http://people.virginia.edu/~bph4r/num_line.jpg
 |
| 1. http://people.virginia.edu/~bph4r/num_line.jpg
 | 1. http://people.virginia.edu/~bph4r/num_line.jpg
 |
| 1. http://people.virginia.edu/~bph4r/num_line.jpg
 | 1. http://people.virginia.edu/~bph4r/num_line.jpg
 |