**Solving Linear Inequalities GREEN**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **One variable** | x + 5 ≥ 13 | 10x + 43 < 13 | 4x + 5 > 17 | 3x – 4 ≤ 11 |
| **Variable on both sides** | 4x + 3 > 9 + 2x | 5x + 3 ≤ x + 19 | 3x – 2 ≥ 5x – 8 | 1 – 7x < 3x + 11 |
| **Inequalities with brackets!** | 2(x – 4) < x + 7 | 3(5x – 1) ≥ 2(7x + 2) | 2(x – 4) > 3(x + 2) | 2(x + 1) ≤ 4(x – 2) |

**Solving Linear Inequalities AMBER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **One variable** | x + 5 ≥ 13  Image result for number line -5 15 | 10x + 43 < 13  Image result for number line -5 15 | 4x + 5 > 17  Image result for number line -5 15 | 3x – 4 ≤ 11  Image result for number line -5 15 |
| **Variable on both sides** | 4x + 3 > 9 + 2x  Image result for number line -5 15 | 5x + 3 ≤ x + 19  Image result for number line -5 15 | 3x – 2 ≥ 5x – 8  Image result for number line -5 15 | 1 – 7x < 3x + 11  Image result for number line -5 15 |
| **Inequalities with brackets!** | 2(x – 4) < x + 7  Image result for number line -5 15 | 3(5x – 1) ≥ 2(7x + 2)  Image result for number line -5 15 | 2(x – 4) > 3(x + 2)  Image result for number line -5 15 | 2(x + 1) ≤ 4(x – 2)  Image result for number line -5 15 |

**Solving Linear Inequalities RED**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **One variable** | x + 5 ≥ 13  -5 -5  Image result for number line -5 15 | 10x + 43 < 13  - 43 - 43  Image result for number line -5 15 | 4x + 5 > 17  Image result for number line -5 15 | 3x – 4 ≤ 11  Image result for number line -5 15 |
| **Variable on both sides** | 4x + 3 > 9 + 2x  - 2x - 2x  Image result for number line -5 15 | 5x + 3 ≤ x + 19  - x - x  Image result for number line -5 15 | 3x – 2 ≥ 5x – 8  Image result for number line -5 15 | 1 – 7x < 3x + 11  Image result for number line -5 15 |
| **Inequalities with brackets!** | 2(x – 4) < x + 7  Image result for number line -5 15 | 3(5x – 1) ≥ 2(7x + 2)  Image result for number line -5 15 | 2(x – 4) > 3(x + 2)  Image result for number line -5 15 | 2(x + 1) ≤ 4(x – 2)  Image result for number line -5 15 |