**Mini Lesson #2 – Solving 1 and 2-Step Inequalities (Math 7 –Unit 3)**

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| Complete Check This Out Activity, then record results here:

|  |  |
| --- | --- |
| When you add or subtract a… | When you multiply or divide an… |
| POSITIVE (+) number in an inequality… | NEGATIVE (-) number to/from an inequality, | an inequality by a POSTIVE (+) number, | an inequality by a NEGATIVE (-) number, |

**Steps to solve an inequality**:1. Solve like any other 1- or 2-step equation
2. Apply sign rule
 |
| Solve and graph each inequality.

|  |  |
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| Ex 1  | Ex2  |
| Ex 3 5a > 55 | Ex 4 -2m ≤ 34   |

Ex 5 ≥ 4 Ex 6 -4y + 6 < 10   |

Practice for Unit 3 - ML #2 (math 7)

Solve each inequality. Graph the solution.

|  |  |  |  |
| --- | --- | --- | --- |
| 1) y – 8 ≤ -14 | 2) m + 9 > -3 | 3) c + 9 > 20  | 4) r – 58 < -109  |
| 5)  | 6) < 3 | 7) -12y ≤ -60 | 8) 4x > -40 |
| 9) -9 > - + 6 | 10)  | 11) 6 - x > 3 | 12) 2(4 +-7) < -2n |