### Lesson 15 Practice Problems

* 1. Consider the inequality .
     1. Predict which values of will make the inequality true.
     2. Complete the table to check your prediction.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | * + - -4 | * + - -3 | * + - -2 | * + - -1 | * + - 0 | * + - 1 | * + - 2 | * + - 3 | * + - 4 |
|  |  |  |  |  |  |  |  |  |  |

* 1. Consider the inequality .
     1. Predict which values of will make it true.
     2. Complete the table to check your prediction.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | * + - -4 | * + - -3 | * + - -2 | * + - -1 | * + - 0 | * + - 1 | * + - 2 | * + - 3 | * + - 4 |
|  |  |  |  |  |  |  |  |  |  |

1. Diego is solving the inequality . He solves the equation and gets . What is the solution to the inequality?
2. Solve the inequality , and graph the solution on a number line.
3. Select **all** values of that make the inequality true.
   1. -3.9
   2. 4
   3. -4.01
   4. -4
   5. 4.01
   6. 3.9
   7. 0
   8. -7

* (From Unit 6, Lesson 13.)

1. Draw the solution set for each of the following inequalities.
   * 
   * 

* (From Unit 6, Lesson 13.)

1. The price of a pair of earrings is $22 but Priya buys them on sale for $13.20.
   1. By how much was the price discounted?
   2. What was the percentage of the discount?

* (From Unit 4, Lesson 12.)



© CC BY Open Up Resources. Adaptations CC BY IM.