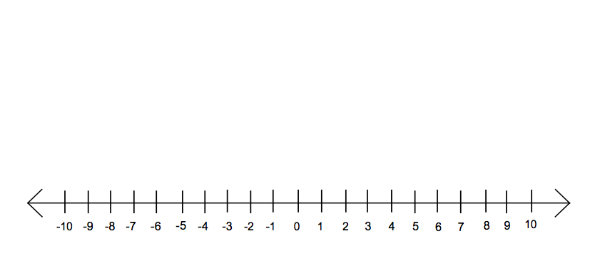
**Notes**

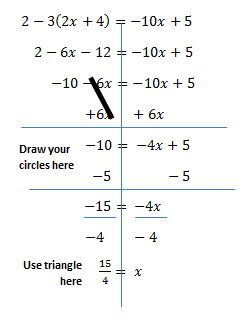
**Inequalities:**

|  |  |  |  |
| --- | --- | --- | --- |
| < | > | < | > |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |



**Graphing on a Number Line:**

x < -3   
We read it as “x is less than negative three”. Think about what numbers x could be if it is less than negative 3.

Remember solving rules are the same **EXCEPT** you *switch* the inequality when you multiply or divide by a negative number.

**Examples:** Switch inequality when

-3x < 15 becomes x > -5

> 5 becomes x < -20

10 > x becomes x < 10

|  |  |
| --- | --- |
| Write your answer in words: | Write your answer in words: |
| Write your answer in words: | |
|  | |
| Write your answer in words: | Write your answer in words: |
| Write your answer in words: | |
|  | |
| Write your answer in words: | Write your answer in words: |
| OR    Write your answer in words: | |
|  | |
| Write your answer in words: | Write your answer in words: |
| OR    Write your answer in words: | |
|  | |
| Reflection: What have you learned? | |

