What Numbers Work

# Inequality: 3*x* + 5 > 20

| Works | Doesn’t Work |
| --- | --- |
|  |  |
|  |  |

Show the numbers that work on the number line.

****

Why do certain numbers not work?

# Inequality: 4*x* – 5 < 39

| Works | Doesn’t Work |
| --- | --- |
|  |  |
|  |  |

Show the numbers that work on the number line.

****

Why do certain numbers not work?

# Inequality: 2*x* + 7 ≥ 21

| Works | Doesn’t Work |
| --- | --- |
|  |  |
|  |  |

Show the numbers that work on the number line.

****

Why do certain numbers not work?

# Inequality: 12 ≤ 4*x* – 8

| Works | Doesn’t Work |
| --- | --- |
|  |  |
|  |  |

Show the numbers that work on the number line.

****

Why do certain numbers not work?

# My Rules for Graphing Inequalities:

# Additional Rules for Graphing Inequalities: