What Numbers Work? (Pre-Algebra)

# Inequality: 3x + 5 > 20

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

Show the numbers that work on the number line.

**A close up of a antenna

Description automatically generated**

Why do certain numbers not fit?

# Inequality: 4x - 5 < 39

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

Show the numbers that work on the number line.

**A close up of a antenna

Description automatically generated**

Why do certain numbers not fit?

# Inequality: 2x + 7 ≥ 21

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

Show the numbers that work on the number line.

**A close up of a antenna

Description automatically generated**

Why do certain numbers not fit?

# Inequality: 4x - 8 > 12

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

Show the numbers that work on the number line.

**A close up of a antenna

Description automatically generated**

Why do certain numbers not fit?

**My Rules for Graphing Inequalities:**

|  |
| --- |
|  |

**Additional Rules for Graphing Inequalities:**

|  |
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|  |