**Part 10 – Interval Notation**

**Example.** Translate these phrases into standard math notation:

1. “All numbers between 1 and 3 but not including 1 and 3

**Inequality:**



**Number Line:**



**Interval Notation:**



1. “All numbers between -4 and 2, including -4 and 2”

**Inequality:**



**Number Line:**



**Interval Notation:**



**Example.** Translate between inequality and interval notation.

|  |  |  |
| --- | --- | --- |
|  | **Inequality Notation** | **Interval Notation** |
| **A** |  |  |
| **B** |  |  |
| **C** |  |  |
| **D** |  |  |

**Note.** In interval notation, the smaller number is always on the left side.