## 6

## **Strike It Out Proof Sorter 3**

This does not give us any insight into the individual number sentences and the order in which the numbers need to be used.

Therefore, we will never be able to use all the numbers on any number line that has an even number of consecutive numbers on it.

Odd + any number of even numbers is always odd.

Therefore, the total number of numbers used is always odd.

We only know that we have the correct number of numbers to make it a possibility but not a certainty.

However, this does not prove that we can always use all the numbers on a number line with an odd number of consecutive numbers.

Each subsequent number sentence uses an even number of distinct new numbers.

The first number sentence uses an odd number of distinct numbers.

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