

## Preliminary Planning Sheet

### Grade 4 – Traveling to Football Games

**Domain(s)**

Number and Operations in Base Ten<sup>1</sup>

**Standard(s)**

4.NBT.A.2

**Mathematical Practices**

MP.1 MP.2 MP.3 MP.4 MP.6

**Major Underlying Mathematical Concepts**

- Base-10 place value system
- Number sense to 2,283

**Problem Solving Strategies**

- Model (manipulatives)
- Diagram/Key
- Chart
- Number line

**Formal Mathematical Language and Symbolic Notation**

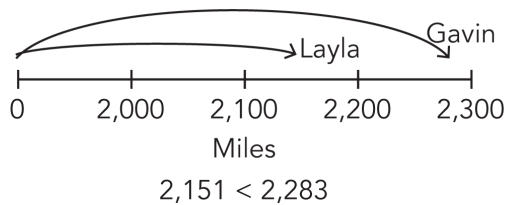
- Model
- Chart
- Number line
- Base-10 blocks
- Miles
- Greater than (>)/Less than (<)
- Equivalent/Equal to
- Inequality
- Odd number
- Total/Sum
- Amount
- Place value
- Ones, tens, hundreds, thousands
- Property

### Possible Solution(s)

Gavin and Layla could write:  $2,283 > 2,151$  or  $2,151 < 2,283$ .

Person	Miles Traveled
Gavin	2,283 miles
Layla	2,151 miles

$$2,283 > 2,151$$



### Possible Connections

Below are some examples of mathematical connections. Your students may discover some that are not on this list.

- Gavin travels 132 more miles one way than Layla.
- Together Gavin and Layla travel a total of 4,434 miles.
- They both travel an odd number of miles.
- If you include the miles Gavin and Layla travel home, Gavin's total is 4,566 miles and Layla's total is 4,302 miles.
- Relate to a similar task and state a math link.
- Solve more than one way to verify the answer.