

**PROBLEM-OF-THE-DAY: ALGEBRA 1****WEEK:** August 20 to August 24**DAY:** Tuesday

**RISD Objective:** Given a set of data, students will find the measures of central tendency and the range of the data.

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**PROBLEM #2**

The following stem-and-leaf plot shows the weights of the players of Carter High School's freshman football team.

**Weights of Freshman Football Team**

12	5, 9
13	1, 4, 9
14	6, 6, 8, 9
15	0, 3, 4, 4
16	0, 0, 2, 6, 5
17	1, 7

Key:  $12|5 = 125$  lbs.

**Find the range in weights of the football team. Explain how you got your answer.**

**MODEL SOLUTION #2**

**To find the range, you must subtract the smallest from the largest value. In this case, I must subtract 125 from 177.  $177 - 125 = 52$ . So, the range in weights is 52 pounds.**