

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.

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.