

# Stem and Leaf Plot

## The Situation

A class of 12 students took an algebra test. Their scores were 90, 88, 52, 63, 74, 95, 41, 32, 85, 89, 52, and 91.

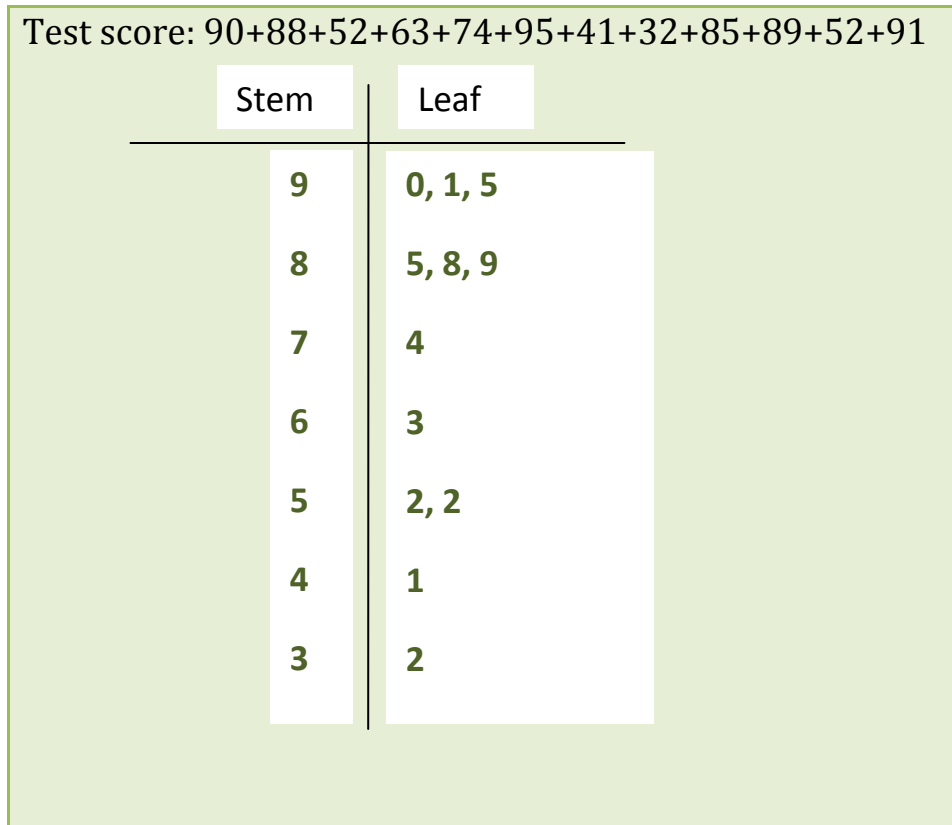
## Directions

- 1) Create a stem and leaf plot to view the students' test scores.
- 2) Find the data's mean, median, and mode.

# Stem and Leaf Plot

## ANSWER

- 1) Create a stem and leaf plot to view the students' test scores.



- 2a) Mean is the average; thus,  
**Mean** =  $(90+88+52+63+74+95+41+32+85+89+52+91) / 12 = 71$
- 2b) Median is the middle number; thus,  
**Median** = average of the two middle numbers, 85 and 74, which is  
 $(85 + 74) / 2 = 79.5$
- 2c) Mode is the data entry which appears most often; thus,  
**Mode** = 52