Stem and Leaf Plots – Guided Lesson Explanation

#1. The common score is the score that appears most frequently in the stem and leaf plot. Let's start by ordering, from least to greatest, all the leaf values. This will allow us to easily see which leaf we have the most of.

Step 1 - Order the values:

Stem (in tens)	Leaf
0	3 5 6
1	0 1 3 4 5 5 6 6 7 8 9 9
2	0 0 0 0

Step 2 – Identify the leaf value that is most common.

Stem (in tens)	Leaf
0	3 5 6
1	0 1 3 4 5 5 6 6 7 8 9 9
2	*0 0 0 0*

In this case, 20 is the most common score.

#2. Each leaf counts as 1 student's score or 1 student taking the quiz. Just count the number of leaf values that we have.

In this case, 19 students took the quiz.

#3. Using our ordered stem and leaf plot, the lowest value would be the lowest value in under our lowest stem.

Stem (in tens)	Leaf
0	*3* 5 6
1	0 1 3 4 5 5 6 6 7 8 9 9
2	0 0 0 0

= 03 or a score of 3.

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#3. Using our ordered stem and leaf plot, the highest value would be the highest value in under our highest stem.

Stem (in tens)	Leaf
0	3 5 6
1	0 1 3 4 5 5 6 6 7 8 9 9
2	*0 0 0 0*

= 20