Name: _____

S.ID.A.1: Stem-and-Leaf Plots

1   Jorge made the accompanying stem-and-leaf plot of the weights, in pounds, of each member of the wrestling team he was coaching.

Stem	Leaf
10	9
11	
12	3 8
13	2 4 4 6 8
14	1 3 5 5 9
15	2 3 7 7 9
16	1 3 7 8 8 8 9
17	3 8

Key: 16 | 1 = 161

What is the mode of the weights?
1)   145
2)   150
3)   152
4)   168

2   The accompanying stem-and-leaf plot represents Ben's test scores this year.

6	5 8
7	2 3 3 3 3 9
8	1 3 3 6 7
9	6 9 9

Key: 7 | 2 = 72

What is the median score for this set of data?
1)   73
2)   79
3)   80
4)   81

3   The student scores on Mrs. Frederick's mathematics test are shown on the stem-and-leaf plot below.

4	3
6	0 5 5 7 9
7	2 5 6 8 9 9 9
9	0 1 2 5 9

Key: 4 | 3 = 43 points

Find the median of these scores.

4   Construct a stem-and-leaf plot listing the scores below in order from lowest to highest.
15, 25, 28, 32, 39, 40, 43, 26, 50, 75, 65, 19, 55, 72, 50
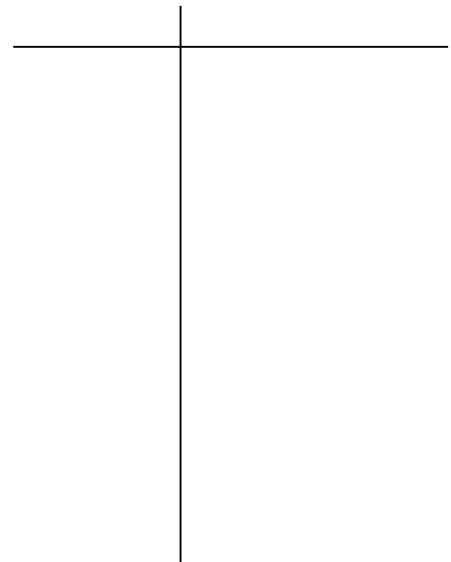
S.ID.A.1: Stem-and-Leaf Plots
Answer Section

1 ANS: 4

The mode of the weights is 168, as it appears most frequently.

REF: 060509a

2 ANS: 3

There are 16 test scores, so average the 8th and 9th scores to compute the median. $\dfrac{79 + 81}{2} = 80$.

REF: 080714a

3 ANS:

77. There are 18 test scores, so average the 9th and 10th scores to compute the median, or (76 + 78)/2 = 77.

REF: 060321a

4 ANS:

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        SCORES

    1 | 5 9
    2 | 5 6 8
    3 | 2 9
    4 | 0 3
    5 | 0 0 5
    6 | 5
    7 | 2 5

            7 | 5 means 75
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REF: 010535a