# Stem and Leaf Plots Exit Quiz

**Make a stem-and-leaf plot for each set of data. Then find the median, mode, and range.**

1. 8   19   27   36   35   24   6   15   16   24   38   23   20

2. The back-to-back stem-and-leaf plot below shows the high and low temperatures for a week in a certain city in F°.

| Low Temperature | Stem | High Temperature |
|---|---|---|
| 8   7 | 5 | |
| 4   3 | 6 | 5   9   9 |
| 2   1   0 | 7 | 2   5   6 |
| | 8 | 0 |

**Key: 0 | 7 | 2 means 70 F° and 72 F°**

a) Find the range and mode for the high temperatures.
b) Find the median for the low temperatures.

# Stem and Leaf Plots Exit Quiz

**3.** The stem-and-leaf plot below shows the bowling scores for 11 bowlers.

| Stem | Leaf |
|------|------|
| 10 | 1  2  3 |
| 11 | 6  7  7  8 |
| 12 | 0  0  1  6 |

**Key: 10 | 1 means 101**

a) Find the median, mode, and range.

Multiple choices

**4.** **Tickets sold per day**

| Stem | Leaf |
|------|------|
| 1 | 1  8 |
| 2 | 3  6  9 |
| 3 | 2  3  4  6  7 |
| 4 | 1  6  8 |

**Key: 1 | 1 means 11**

How many days were the tickets sold?
a.) 11                                    **b.) 48**

c.) 13                                    **d.) 15.5**

# Stem and Leaf Plots Exit Quiz

**5.**               **Test Score**

| Stem | Leaf |
|------|------|
| 6 | 7   8 |
| 7 | 2   3   4   6   9 |
| 8 | 2   2   4   4   7 |
| 9 | 0   1   6 |

**Key: 6 | 7 means 67**

Median is:

a.)  82                                    **b.) 87**

c.)  96                                    **d.) 67**

# Stem and Leaf Plots Exit Quiz

<mark>ANSWERS</mark>

**Make a stem-and-leaf plot for each set of data. Then find the median, mode, and range.**

1. 8  19  27  36  35  24  6  15  16  24  38  23  20

   6  8  15  16  19  20  23  24  24  27  35  36  38

| Stem | Leaf |
|------|------|
| 0 | 6  8 |
| 1 | 5  6  9 |
| 2 | 0  3  4  4  7 |
| 3 | 5  6  8 |

Key: 1 | 5 means 15

**Median 23    Mode 24    Rang = 38 − 6 = 32**

2. The back-to-back stem-and-leaf plot below shows the high and low temperatures for a week in a certain city in F°.

| Low Temperature | Stem | High Temperature |
|-----------------|------|------------------|
| 8  7 | 5 | |
| 4  3 | 6 | 5  9  9 |
| 2  1  0 | 7 | 2  5  6 |
| | 8 | 0 |

Key: 0 | 7 | 2 means 70 F° and 72 F°

c) Find the range and mode for the high temperatures.
d) Find the median for the low temperatures.

a) Range = 80 − 65 = 15 F°    Mode= 69  F°
b) Median 63  F°

# Stem and Leaf Plots Exit Quiz

**3.**  The stem-and-leaf plot below shows the bowling scores for 11 bowlers.

| Stem | Leaf |
|------|------|
| 10 | 1  2  3 |
| 11 | 6  7  7  8 |
| 12 | 0  0  1  6 |

Key: 10 | 1 means 101

b)  Find the median, mode, and range.

a)  Median 117              Modes  117  and  120          Range = 126 – 101 = 25

Multiple choices

**4.**          **Tickets sold per day**

| Stem | Leaf |
|------|------|
| 1 | 1  8 |
| 2 | 3  6  9 |
| 3 | 2  3  4  6  7 |
| 4 | 1  6  8 |

Key: 1 | 1 means  11

How many days were the tickets sold?
a.)  11                                        b.) 48

c.) 13                                        d.) 15.5

# Stem and Leaf Plots Exit Quiz

**5.**          **Test Score**

| Stem | | Leaf |
|------|---|------|
| 6 | | 7  8 |
| 7 | | 2  3  4  6  9 |
| 8 | | 2  2  4  4  7 |
| 9 | | 0  1  6 |

Key: 6 | 7 means  67

Median is:

a.) 82                                        b.) 87

c.) 96                                        d.) 67