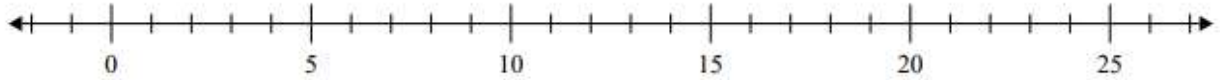


Name: _____ Date: _____ Per: _____

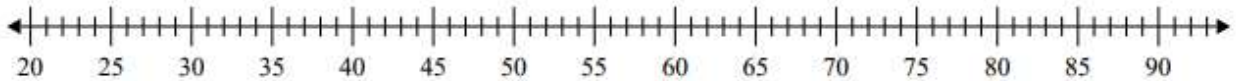
Box Plot and Frequency Table Worksheet

Construct box plots for the data that is given for numbers 1 – 5. Be sure to include the 5-Number Summary for full credit.

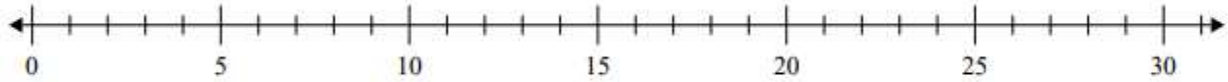
1. 11, 12, 10, 7, 9, 18



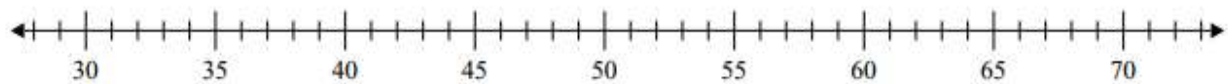
2. 38, 73, 28, 36, 80, 50



3. 19, 13, 12, 19, 9, 5, 13, 18, 8



4. 57, 41, 40, 67, 66, 45, 63, 42



5. 37, 84, 70, 64, 24, 93, 25, 39, 82, 49, 82



Given the following Frequency Tables, calculate the relative frequency for their corresponding tables.

6.

| | | Gender | | |
|------------|---------|--------|--------|-------|
| | | Male | Female | Total |
| Party Type | Bowling | 6 | 2 | 8 |
| | Skating | 3 | 11 | 14 |
| | Dancing | 1 | 3 | 4 |
| | Total | 10 | 16 | 26 |

| | | Gender | | |
|------------|---------|--------|--------|-------|
| | | Male | Female | Total |
| Party Type | Bowling | | | |
| | Skating | | | |
| | Dancing | | | |
| | Total | | | |

7.

| | 6 th Grade | 7 th Grade | 8 th Grade | Total |
|---------|-----------------------|-----------------------|-----------------------|-------|
| English | 104 | 99 | 116 | 319 |
| Other | 56 | 81 | 84 | 221 |
| Total | 160 | 180 | 200 | 540 |

| | 6 th Grade | 7 th Grade | 8 th Grade | Total |
|---------|-----------------------|-----------------------|-----------------------|-------|
| English | | | | |
| Other | | | | |
| Total | | | | |

8. Explain the difference between **joint relative frequency** and **marginal relative frequency**.
