**Stem and Leaf Display**

Disadvantage of using a frequency table is that the identity of individual observation is lost in grouping process. Each number is the data set is divided into two parts a stem and a leaf.

**Stem:** Leading digit of the figure

**Leaf:** Remaining digit of the figure

12, 18, 26, 27, 29, 30,31, 35, 37, 39, 40, 42, 43, 48, 48, 49, 51, 52, 53, 54, 57, 58, 61, 62, 64, 65, 67, 68, 71, 74

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

**Construct a stem and leaf display of the data.**

138, 164, 150, 132, 144, 125, 149, 157, 146, 158, 140, 147, 136, 148, 152, 144, 168, 126, 138, 176, 163, 119, 154, 165, 146, 173, 142, 147, 135, 153, 140, 135, 161, 145, 135, 142, 150, 156, 145, 128

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| **Stem** | **Leaf** |
| 11 | 9 |
| 12 | 5 6 8 |
| 13 | 8 2 6 8 5 5 5 |
| 14 | 4 9 6 0 7 8 4 6 2 7 0 5 2 5 |
| 15 | 0 7 8 2 4 3 0 6 |
| 16 | 4 8 3 5 1 |
| 17 | 6 3 |