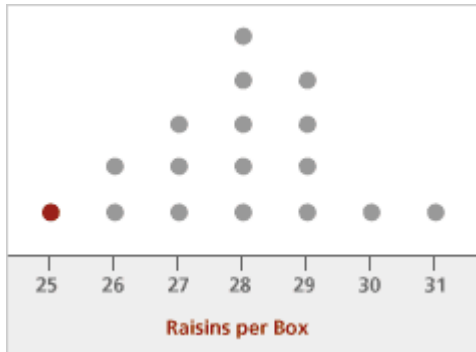


Project # 5 Introduction

Dot plots

Here is another way that you could use data in dot plot form. Look at the number of boxes with 25 or fewer raisins, which are highlighted in red on both the line plot and the frequency table:



| Raisin Count | Frequency |
|--------------|-----------|
| 25 | 1 |
| 26 | 2 |
| 27 | 3 |
| 28 | 5 |
| 29 | 4 |
| 30 | 1 |
| 31 | 1 |

Draw and interpret a stem and leaf plot.

- A **stem-and-leaf plot** is a data plot that uses part of a data value as the stem and part of the data value as the leaf to form groups or classes.
- It has the advantage over grouped frequency distribution of retaining the actual data while showing them in graphic form.
- To create a stem-and-leaf plot:

Construct a stem and leaf plot for the data.

```

30  48  62  25  43  52
53  29  48  57  34  36
26  19  22  37  49  58
55  27  28  44  46  42

```

Arrange the data in order

19, 22, 25, 26, 27, 28, 29, 30, 34, 36, 37, 42,
43, 44, 46, 48, 48, 49, 52, 53, 55, 57, 58, 62

Separate the data according to the first digit

19 22, 25, 26, 27, 28, 29 30, 34, 36, 37
42, 43, 44, 46, 48, 48, 49 52, 53, 55, 57, 58 62

| Leading digit (stem) | Trailing digit (leaf) |
|----------------------|-----------------------|
| 1 | 9 |
| 2 | 2 5 6 7 8 9 |
| 3 | 0 4 6 7 |
| 4 | 2 3 4 6 8 8 9 |
| 5 | 2 3 5 7 8 |
| 6 | 2 |

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

Instructions.

1. Go to your class report and in one page do a dot plot for test 1, 2, 3, and 4. At the end of the page write your observations about the differences or similarity that you see between each case.
2. Go to your class report and in one page stem and leaf a dot plot for test 1, 2, 3, and 4. At the end of the page write your observations about the differences or similarity that you see between each case.
3. to your class report and in one page do a box - plot for test 1, 2, 3, and 4. At the end of the page write your observations about the differences or similarity that you see between each case.

Hint: Just pages 3,4, and 5 need to be handed in.

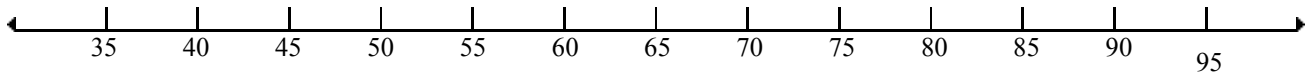
Please staple the pages.

Be neat and clean

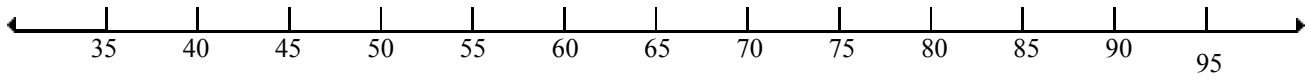
Project # 5 Date: _____ Section: _____ Name: _____, Id _____

Dot Plot: Please use scaled- number line.

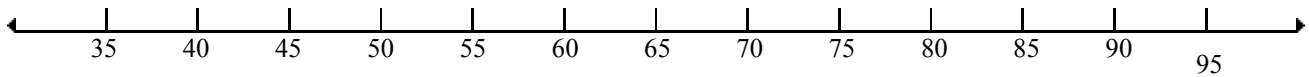
Test 1



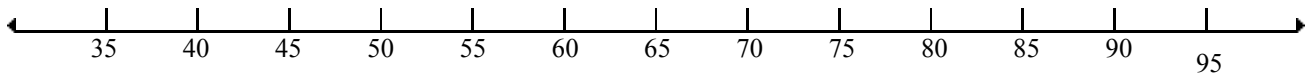
Test 2



Test 3



Test 4



Observation

Stem and leaves

Test 1

| Stem | leaves |
|------|--------|
| | |

Test 2

| Stem | leaves |
|------|--------|
| | |

Test 3

[illegible]

Test 4

[illegible]

Observation

Box_plot: Please use **scaled**- number line..

Test 1

Test 2

Test 3

Test 4

Observation