

Notes and Activity: March 31, 2020

Table 2: Stem Plot of sit ups

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

Notes: Stem and Leaf Plots

Stem and leaf plots is a combination of a table and graph that displays numerical data

Stem and leaf plots are organized by tens – which are called “stems”

“Leaves” represent the ones digit of a number and should be matched to the ten “leaf” on the same line

Stem and leaf plots help to show the shape of the data

Stem and Leaf Plots are a way to display numerical data in order.

Its called a stem and leaf because it has stems and leafs (stems are the digits to the left of line/leafs are digits to the right of the line) guide.

To create a stem and leaf plot you must:

- 1) Identify the minimum and maximum numbers in the data set (Write it down)**
- 2) Arrange the numbers in order from the least to greatest (Write it down)**
- 3) Write the stems using the data arranged in order**
- 4) Write the leaf's in numerical order**
- 5) Create the (__ represents __) and title**

Stem and leaf display: Pre-histogram

Order data

44 46 47 49 63 64 66 68 68 72 72 75 76 81 84 88 106

n=17

```
4 | 4679 ← Leaf
5 |
6 | 34688
7 | 2256
8 | 148
9 |
10 | 6
```

↑
stem

Data in order first
Easily create stem and leaf
N = 17 means how many pieces of data you have.

Should use the same approach for histogram
Histogram should not increase precision

1. Michael's math quiz scores are shown below.

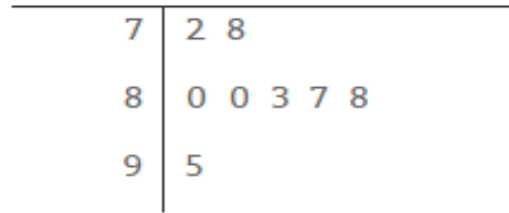
88, 87, 95, 72, 78, 80, 83, 80

Which of the following is a stem-and-leaf plot that correctly shows Michael's math scores?

Answer the question by analyzing the 4 stem and leaf plots

A.

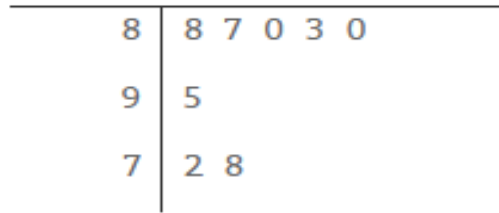
Math Quiz Scores



Key: 8|5 represents 85

B.

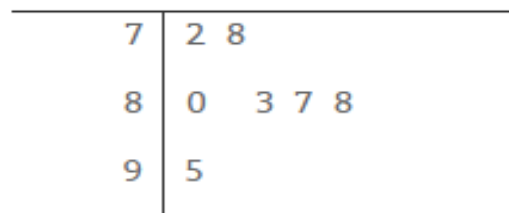
Math Quiz Scores



Key: 8|5 represents 85

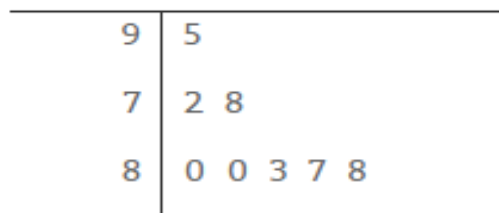
C.

Math Quiz Scores



D.

Math Quiz Scores



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- Please complete the Stem and Leaf Classwork Activity for today!
- Let me know if you need help!

