

1 - 3

Stem-and-Leaf Plots

leaves: last digit of data

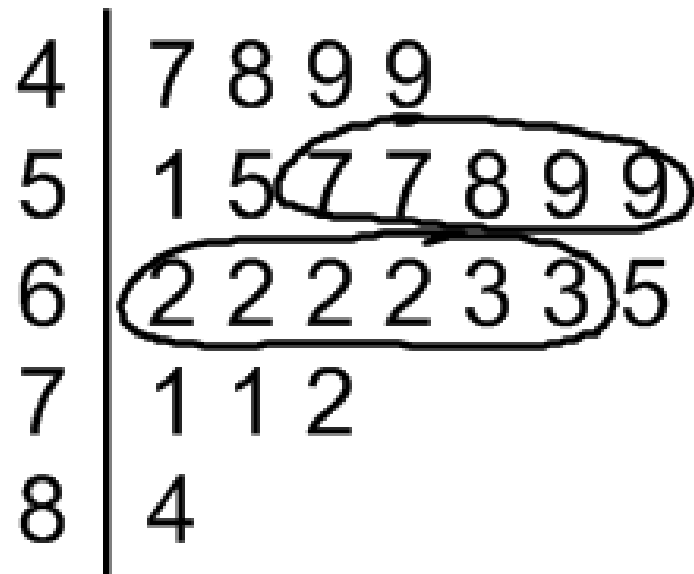
stems: numbers before leaves

outliers: numbers much greater or less than the others

clusters: isolated group of numbers

gaps: large spaces between numbers

Interpreting Stem-and-Leaf Plots



Height in inches
of 22 people

key!
 $5 | 1 = 51$ inches

Find the following:

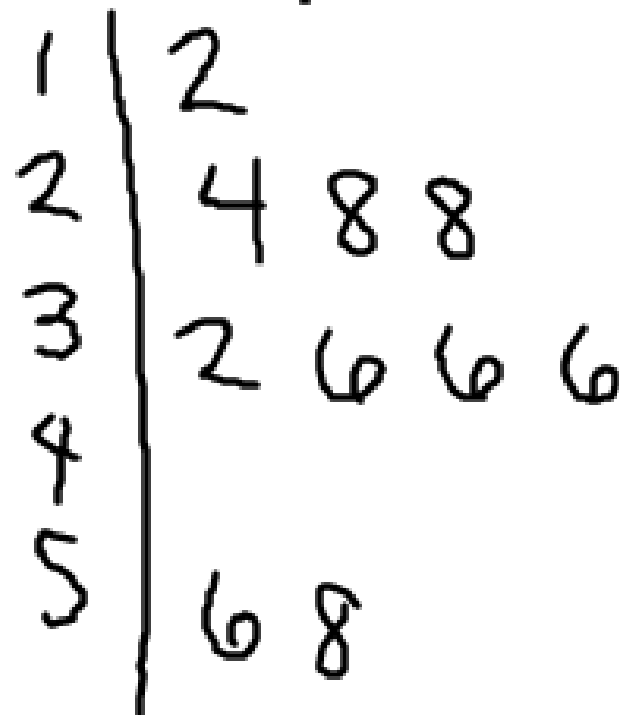
- 1.) least and greatest values 47, 84
- 2.) outliers 84
- 3.) clusters
- 4.) gaps 72-84

Creating Stem-and-Leaf Plots

Points scored in football games this season

~~58~~ ~~32~~, ~~28~~, ~~28~~, ~~36~~, ~~56~~, ~~36~~, ~~36~~, ~~12~~, ~~24~~

Create a stem-and-leaf plot.



$3 \mid 6 = 36$
points

1		2
2		4 8 8
3		2 6 6 6
4		
5		6 8

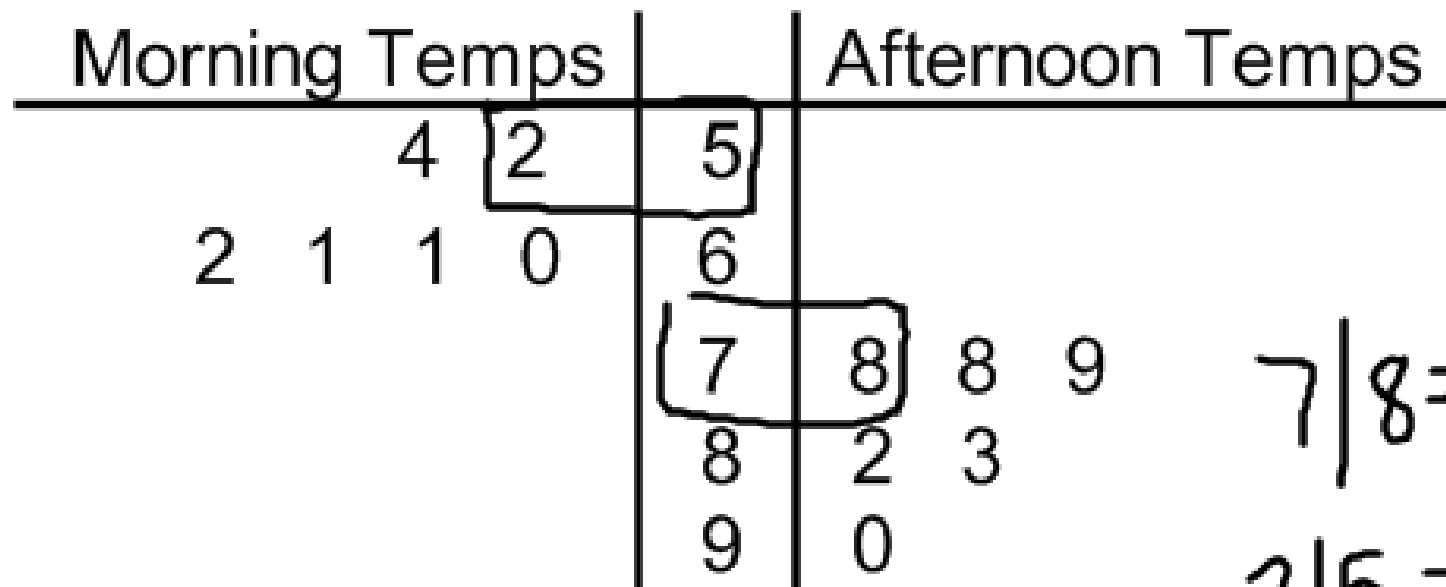
1 | 2 = 12 pts



(this is the one we just created)

- 1.) What was the greatest number of points scored during a game? 58
- 2.) Least number of points? 12
- 3.) How many games were played? 10
- 4.) mean: 34.6
 median: 34
 mode: 36

Back to Back Stem-and-Leaf Plots



$$7|8 = 78^\circ$$

$$2|5 = 52^\circ$$

- 1.) lowest morning temp? 52°
- 2.) highest morning temp? 62°
- 3.) lowest afternoon temp? 78°
- 4.) highest afternoon temp? 90°



Homework:

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