

Name _____



Date _____

Stem-and-Leaf Plots

Complete.

1. High Temperatures in October

Stem	Leaves
4	2,4, 5,7,8
5	0, 1, 3
6	0, 2, 5
7	0, 1, 2, 4

Key $4/2 = 42$

a. How many temperatures are at least 44 degrees?

b. What is the range of the data set?

c. What was the highest temperature recorded?

2. This stem-and-leaf plot shows Courtney's scores from a video game.

Stem	Leaves
19	2, 6
20	2, 8
21	2, 5, 6
22	1, 3, 4, 6
23	2
24	0
25	
26	
27	0

Key $19/2 = 192$

a. How many games scored less than 212?

b. What is the range of the data set?

c. What was the highest score?

3. This stem-and-leaf plot shows the number of sit-ups that each student did in the class.

Number of Sit-ups

Stem	Leaves
0	5
1	0,4,5,6,7,8,9
2	4,9
3	2,6,8,9
4	
5	6
6	6,8

Key $0/5 = 5$

a. What was the most number of sit-ups completed by any one student?

b. What is the range of the data set?

c. How many students could not complete at least 38 sit-ups?

Plotting Against Villains

Help the superheroes plot the information about the villains they have defeated. Then answer the questions.



Superhero	Villains Defeated	Superhero	Villains Defeated
Super Bob	52	Marvelous Man	33
Super Betty	36	Wondrous Woman	49
Super Juan	21	Powerful Penn	21
Super Juanita	33	Powerful Penny	47
Amazing Boy	33	Albert the Ace	48
Amazing Girl	25	Ally the Ace	51
Courageous Calvin	45	Fabulous Fido	32
Courageous Carla	30		

Stem	Leaf

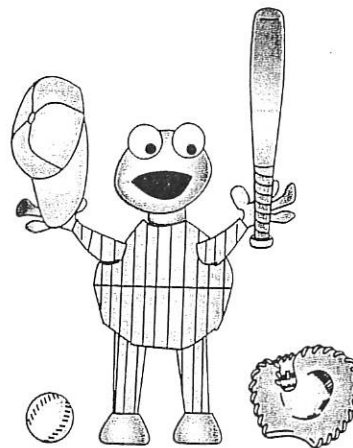
- How many superheroes are on your stem-and-leaf plot? _____
- What is the range? _____
- What is the median? _____
- What is the mode? _____
- What is the total number of villains defeated by the superheroes? _____



Stem-and-Leaf Plots

0	1	2	4	4	5	5	6
1	0	1	3	5	6		
2	1	1					
3							
4	4						

Key: 2 | 6 means 26



[Source: The World Almanac and Book of Facts 1998, p. 948]

Use the stem-and-leaf plot to solve the problem.

- 1 How many players on the Yankees hit from 10 to 19 home runs in 1997?
- 2 How many players hit 20 or more home runs in 1997?
- 3 What was the range for the number of home runs hit by the players?
- 4 How many players does the stem-and-leaf plot represent?
- 5 What was the median number of home runs hit by the players?
- 6 How many players hit fewer than 20 home runs?
- 7 The mode for the number of home runs hit by the players is 21. True or false?
- 8 What was the mean number of home runs hit by the players?
- 9 How many players hit 10 or fewer home runs?
- 10 What was the mode for the players who hit less than 10 home runs?
- 11 How many players hit 30 or more home runs?
- 12 Two players hit 4 home runs. True or false?