

Reading and Interpreting Stem-and-Leaf Plots Answer Key

- 1) The average temperatures (in Fahrenheit) of Lake Michigan recorded from January to December is given below. Read and interpret the stem-and-leaf plot to answer the questions.

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

Key: $3 | 7 = \underline{\quad 37^\circ\text{F} \quad}$

- a) What is the maximum temperature recorded in Lake Michigan?
- b) How many months have an average temperature of less than 60°F in Lake Michigan?
- c) What is the minimum temperature recorded in Lake Michigan?

70°F

9 months

37°F

- 2) Ms. Bayle recorded the heights (in inches) of the students in her class and represented the data in a stem-and-leaf plot. Read and interpret the plot to answer the questions.

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

Key: $4 | 3 = \underline{\quad 43 \text{ inches} \quad}$

- a) How many students are in Ms. Bayle's class?
- b) How many students have a height of below 50 inches?
- c) How many students have a height of 62 inches?

22 students

8 students

3 students