

Stem and Leaf Plots

1. What is the difference between the highest temperature and the lowest temperature on the stem and leaf plot?

2. How many days was the temperature greater than 32 degrees but less than 47 degrees?

Daily Low Temperatures (°F)

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

2 | 8 represents 28.

Wesley counts the votes for each candidate during a student council election. He makes a stem and leaf plot of the data. Use the information to answer questions 3-6.

Number of Votes				
41	30	47	44	50
43	32	52	60	64
45	53	44	34	35

3. Make a stem and leaf plot from the data.

4. Which statement about the stem-and-leaf plot is true?
- (A) There will be more stems than leaves.
 - (B) The stem 6 will have only 1 leaf.
 - (C) There will be 15 leaves.
 - (D) The number that occurs most often is 4.

5. **Multi-Step** How many more leaves will be on the stem of 4 than the stem of 3?

- (A) 1
- (B) 6
- (C) 4
- (D) 2

6. **Multi-Step** How many stems will have more than 3 leaves?

- (A) 2
- (B) 1
- (C) 3
- (D) 4

Use the roller coaster stem and leaf plot to answer questions 7-9.

7. How many roller coasters are represented in the data?

- A. 6
- B. 5
- C. 16
- D. 11

8. How many more roller coasters have speeds over 60 miles per hour than roller coasters with speeds less than 60 miles per hour?

- A. 7
- B. 2
- C. 1
- D. 8

9. Which is the most common roller coaster speed?

- A. 6 miles per hour
- B. 46 miles per hour
- C. 67 miles per hour
- D. 72 miles per hour

10. What is the **perimeter** of the top face? _____

11. What is the **area** of the bottom face? _____

12. If the **volume** of the rectangular prism is 864 cubic units, what is the **height**? _____

Roller Coaster Speeds (miles per hour)

Stem	Leaves
2	7
3	
4	3 6
5	2 5 5 6
6	2 3 5 6 7 7 7
7	2 2

2|7 represents 27.

