

LESSON
14-2

Practice B
Frequency and Histograms

1. Heights of two groups of plants after two weeks are given at right.
- a. Which group had the tallest plant? What was its height?
- _____

Group A	Group B
	1 2
	2 3 4
9 7 3 3	3 5 5 8
8 1	4 1
0	5

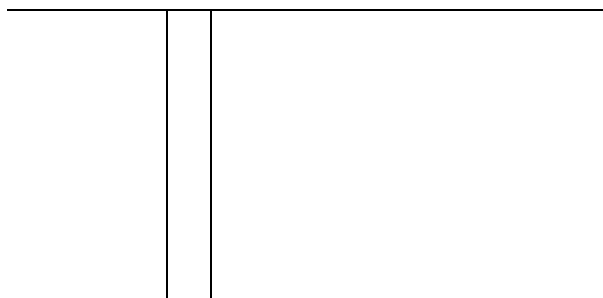
Key: |2|3 means 2.3
1|4 means 1.4

- b. One group had twice as much sunlight as the other. Which group do you think it was? Explain.
- _____

2. The receiving yards completed by two wide receivers on different professional football teams in each of the 16 regular season games is given. Use the data to make a back-to-back stem-and-leaf plot.

Player A: 32, 17, 94, 79, 68, 73, 63, 84, 72, 73, 45, 69, 94, 89, 84, 34

Player B: 79, 12, 97, 73, 54, 82, 21, 32, 28, 67, 74, 88, 41, 38, 78, 67

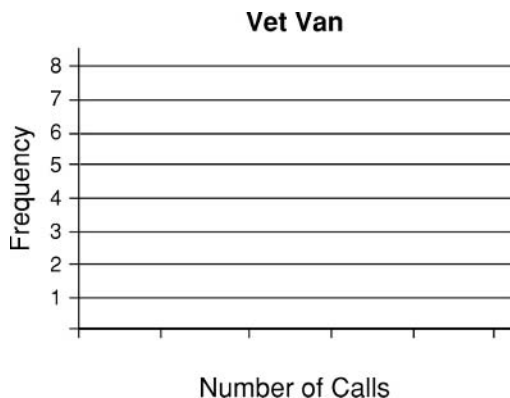


3. The number of calls per day received by a traveling Vet Van service for three weeks is given below. Use the data to make a frequency table with intervals.

Number of Calls						
18	22	13	15	16	21	22
26	17	14	12	13	18	14
16	22	23	20	21	18	22

Vet Van	
Number of Calls	Frequency

4. Use the frequency table in Exercise 3 to make a histogram.



5. Complete the "third column" for the table in Exercise 3 to make it a cumulative frequency table.

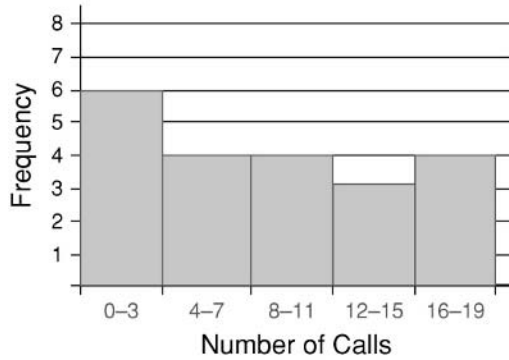
Cumulative Frequency

3.

Frequency
6
4
4
3
4

4.

Fire and Rescue Service



5. 4-7, 8-11, 16-19

Practice B

1. a. A; 5.0
b. A; most of the heights are greater than group B.

2. **Receiving Yards**

Player B	Player A
2	1 7
8	1 2
8	2 3 2 4
1	4 5
4	5
7	7 6 3 8 9
9	8 4 3 7 2 3 3 9
8	2 8 4 4 9
7	9 4 4

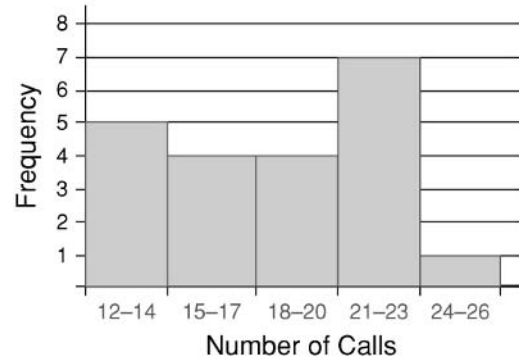
Key: |3|2 means 32
3|7| means 73

3.

Vet Van	
Number of Calls	Frequency
12-14	5
15-17	4
18-20	4
21-23	7
24-26	1

4.

Vet Van



5.

Cumulative Frequency
5
9
13
20
21

Practice C

1. a. 180,000
b. 400,000