

C12L5 Notes

Interpreting Stem-and-Leaf Plots

1. Ms. Hurst reported her students' scores on the most recent quiz. How many students had fewer than 57 points.

Quiz scores

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

7 STUDENTS

2. Brenna measured the length of each scarf in the clothing store where she works. How many scarves are exactly 77 centimeters?

Scarf lengths (centimeters)

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

ONE SCARF

3. A researcher recorded the number of cows on each farm in the county. How many farms have at least 50 cows but fewer than 70 cows?

Cows per farm

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

5 FARMS

4. A pet store owner had her staff count the number of fish in each tank. How many tanks have at least 40 fish?

Fish per tank

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

13 TANKS

5. A machine dispensed red gumdrops into bags of various sizes. How many bags had exactly 79 red gumdrops?

Red gumdrops per bag

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

3 BAGS

6. An architecture student measured the heights of all the buildings downtown. How many buildings are at least 20 meters but less than 50 meters tall?

Building heights (meters)

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

5 BUILDINGS

7. Shannon found out the sizes of all the clubs at her school. What is the size of the largest club?

Club sizes (number of members)

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

69

8. Mr. Hartman, a P.E. teacher, wrote down how much weight each of his students could lift. How many people lifted at least 150 pounds but less than 190 pounds?

Weight lifting results (lbs)

Stem	Leaf
13	5 7
14	5 8
15	0 4
16	0 3 3 3
17	2 2
18	7
19	4 8 8

9 PEOPLE

9. Ashland Flooring tracked the number of broken tiles in each shipment it received last year. What is the smallest number of broken tiles?

Broken tiles per shipment

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

20