



# Stem and Leaf Diagrams



A stem and leaf diagram is another way of organising numbers.  
 This diagram represents the numbers 45, 46, 46, 48, 50, 51, 59, and 63.  
 Note how the numbers in the leaf section are put in ascending order.

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

A). Write all the numbers represented in each of the following stem and leaf diagrams.

1).

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

2).

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

3).

Stem	Leaf
9	0 6 7 9
10	3 7 9
11	3 8
12	2 3

4).

Stem	Leaf
12	1 6 8 8 9
13	0 7 9
14	2 2 2
15	0 8

5).

Stem	Leaf
18	3 6 7 7
19	0 2 9 9
20	1 5 8
21	2 3 3 5

6).

Stem	Leaf
54	9 9
55	0 2 4 5
56	1 2 7 7
57	3 8 9 9 9

7).

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

8).

Stem	Leaf
88	7
89	0 8 9
90	1 3 5 6 9
91	2 8

B). Draw a stem and leaf diagram for each of the following sets of data.

- 72, 45, 55, 71, 40, 59, 65, 52, 43, 79, 47, 57.
- 18, 9, 23, 37, 16, 33, 18, 29, 3, 7, 19, 21.
- 88, 96, 74, 107, 78, 91, 100, 91, 74, 106, 97, 85.
- 142, 157, 136, 149, 163, 139, 140, 158, 139, 151, 132, 148, 143.
- 287, 310, 298, 306, 294, 283, 315, 300 289, 301, 294, 286, 291.
- 35, 67, 43, 59, 51, 39, 60, 45, 55, 39, 48, 53, 40, 49.
- 460, 478, 493, 451, 464, 486, 495, 482, 465, 473, 483, 472, 479, 484.
- 724, 693, 706, 684, 714, 719, 700, 689, 699, 701, 714, 709, 695, 691, 708.
- 345, 309, 333, 327, 314, 326, 340, 312, 305, 321, 337, 333, 341, 327, 339, 312.
- 275, 312, 306, 294, 315, 287, 313, 301, 298, 281, 299, 304, 307, 312, 298, 271.



C). For each of the following stem and leaf diagrams find

- a). the mode,    b). the median,    c). the mean,    d). the range.

1).

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

2).

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

3).

Stem	Leaf
9	4 4 7 9
10	6 7 9
11	3 3
12	2 3

4).

Stem	Leaf
12	2 3 7 8 8
13	1 7 9
14	4 4 4
15	5 9