

STAT | Stem-and-leaf

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Consider the data in the table describing battery life for 40 similar car batteries in years

2.2	4.1	3.5	4.5	3.2	3.7	3.0	2.6
3.4	1.6	3.1	3.3	3.8	3.1	4.7	3.7
2.5	4.3	3.4	3.6	2.9	3.3	3.9	3.1
3.3	3.1	3.7	4.4	3.2	4.1	1.9	3.4
4.7	3.8	3.2	2.6	3.9	3.0	4.2	3.5

How many batteries have fewer than 3 years?

A **stem and leaf** is a table used to display data. The 'stem' is on the left displays the first digit or digits. The 'leaf' is on the right and displays the last digit. For example, 543 and 548 can be displayed together on a stem and leaf as 54 | 3,8

A statistician for a basketball tracked the number of points that each of the 12 players on the team had in one game and then made a stem-and-leaf plot to show the data. How many points did the team score?

stem	leaf
0	0 0 2 4 7 7 9
1	1 1 3 8
2	0

- The stem contains the tens digit and usually, the leaf contains the rightmost digit “one’s digit”
- Gives the kind of distribution of where the players were
- Most of the players scored points that started with 0
- Then a few more scored points that started with one
- And then one scored points started with 2

The government created the following stem-and-leaf plot showing the number of turtles at each major zoo in the country:

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

How many zoos have fewer than 46 turtles?