

Comparing Graph Types

Sarah took a survey of her friends and asked how many different people they texted in a day. Their responses are below:

15 5 18 5 7 11 7 8 8 13
 8 8 18 11 5 11 15 11 12 12
 5 13 13 15 7 15 12 15 11 8

Range $18 - 5 = 13$

Frequency Table

#	Tally	Frequency	Relative Freq.
4-7		7	$7/30 = .2\bar{3} = 22.\bar{3}\% = 23.3\%$
8-11		10	$10/30 = .3\bar{3} = 33.\bar{3}\% = 33.3\%$
12-15		11	$11/30 = .3\bar{6} = 36.\bar{6}\% = 36.7\%$
16-19		2	$2/30 = .0\bar{6} = 6.\bar{6}\% = 6.7\%$

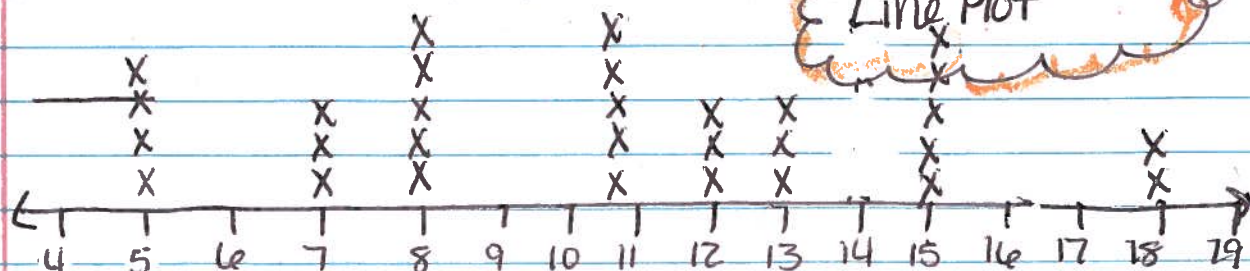
Stem and Leaf Plot

Stem	Leaf
0	5 5 7 7 8 8 8 5 5 7 8 8
1	5 8 1 3 8 1 1 5 1 2 2 3 3 5 5 2 5 1

in order

Stem	Leaf
0	5 5 5 5 7 7 7 8 8 8 8 8
1	1 1 1 1 1 2 2 2 3 3 3 5 5 5 5 8 8

Line Plot



All Show Individual Data Pieces