



6) Construct a stem-and-leaf plot for the following data.

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

A)

1	9
2	1489
3	000669
4	3678
5	248
6	33

B)

1	9
2	1489
3	000669
4	3678
5	248
6	33

C)

1	9
2	1489
3	000669
4	3678
5	248
6	33

D)

7) Find the mean for the following data set:

28 14 25 19 20

8) Find the median for the following data set:

24 18 17 13 25

9) Find the mode for the following data set:

31 16 34 16 27

10) Find the sample standard deviation for the following data set:

25 23 17 16 30

11) Find the population standard deviation for the following data set:

21 12 20 15 18

12) Approximate the population variance given the follo

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18) Which one of the following data are discrete?

A) the average preseason ranking of the University of

29) A paint manufacturer discovers that the mean volume of paint in a gallon-sized pail is 1 gallon with a standard deviation of 0.05 gallons. The paint volumes are approximately bell-shaped. Estimate the percent of pails with volumes between 0.90 gallons and 1.10 gallons.

30) A consumer advocacy group tested the "on-air" lifetimes a random sample of 162 cell phone batteries. The mean lifetime was 2.9 hours with a standard deviation of 0.4 hours. The lifetimes are approximately bell-shaped. Estimate the number of b



44) A study reported that in a sample of 104 people who watch television news, 35 had elevated diastolic blood pressure levels (in millimeters of mercury, or mmHg). In a sample of 74 people who do not watch television news, 20 had elevated diastolic blood pressure levels.

