

Assignment

Date _____ Period _____

Solve each equation.

1) $4 + n - 4n = 16$

2) $5v - v = -12$

3) $7r + 33 = 8(6r - 1)$

4) $-8 + 5v = -8(1 - 2v)$

5) $-11(n + 3) - 8n = 5(n + 1) + 10$

6) $5(4 + b) = -10b + 2(12b - 8)$

7) $8(2 + 6k) = 12(4k - 12)$

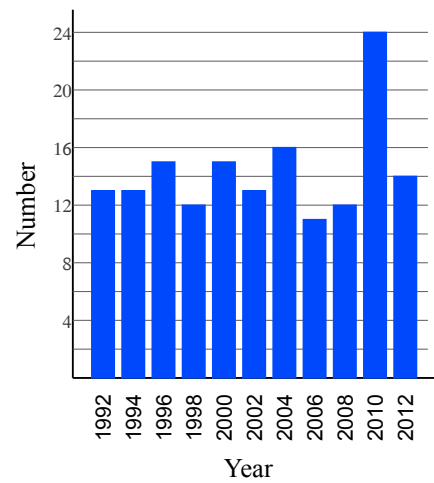
8) $-\frac{79}{18} = \frac{5}{6}p + 1 - 3\frac{1}{6}$

Find the mode, median, and mean for each data set.

9) Age at First Job

Age	Frequency
11	1
13	3
14	1
17	2
18	3
20	1

10) 7.0+ Magnitude Earthquakes



11) Age of Nobel Laureates

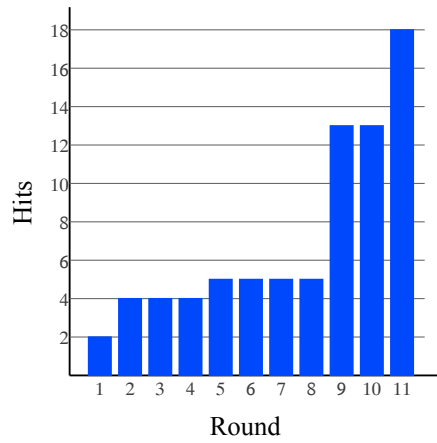
Stem	Leaf
5	3 5 6 6
6	2 2 4
7	1 6
8	0

Key: 5|6 = 56

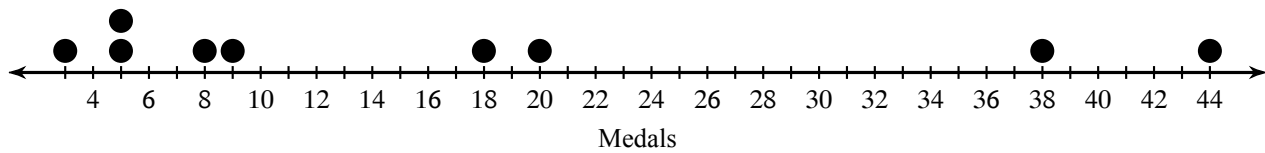
12) Basketball Tournament

School	Appearances
South Dakota State	2
Portland	2
South Florida	3
Illinois State	6
Louisiana-Monroe	7
Tulsa	15
Wisconsin	21
Pennsylvania	23
Arizona	30

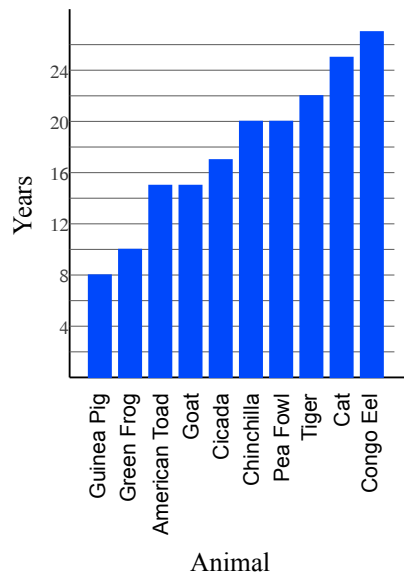
13) Hits in a Round of Hacky Sack



14) Olympic Medals Won



15) Average Lifespan



16) Hits in a Round of Hacky Sack

1 2 3 4 5 5 12 14
17

17) Games per World Series

Games	Frequency
4	3
5	2
6	1
7	5

18)

Shoe Size

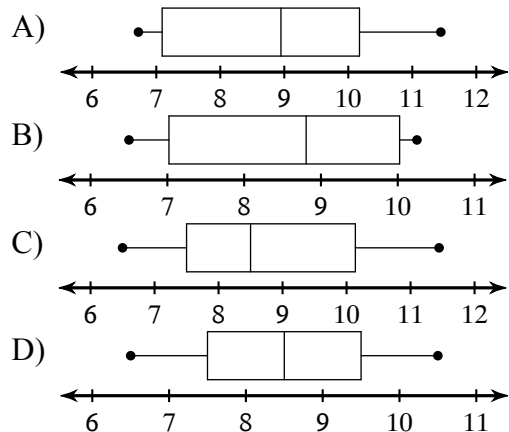
6 6 6.5 7 7.5 7.5 9
12 13

Draw a box-and-whisker plot for each data set.

19)

Shoe Size

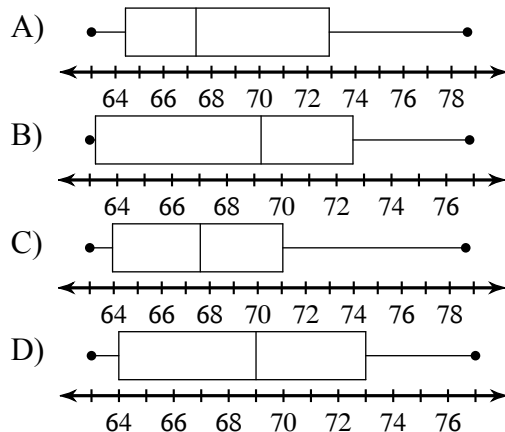
9 8.5 8 9.5 8 7.5
8.5 7.5 6.5 10.5 10



20)

Mens Heights (Inches)

64 75 66 73 63 69 63
69 77 72 72



Answers to Assignment (ID: 1)

- | | | | |
|--|---|--|--|
| 1) $\{-4\}$
5) $\{-2\}$ | 2) $\{-3\}$
6) $\{4\}$ | 3) $\{1\}$
7) No solution. | 4) $\{0\}$
8) $\left\{-\frac{8}{3}\right\}$ |
| 9) Mode = 13 and 18, Median = 17
and Mean = 15.64 | | 10) Mode = 13, Median = 13 and
Mean = 14.36 | |
| 11) Mode = 56 and 62, Median = 62
and Mean = 63.5 | | 12) Mode = 2, Median = 7 and
Mean = 12.11 | |
| 13) Mode = 5, Median = 5 and
Mean = 7.09 | 14) Mode = 5, Median = 9 and Mean = 16.67 | | |
| 15) Mode = 15 and 20,
Median = 18.5 and Mean = 17.9 | | 16) Mode = 5, Median = 5 and Mean = 7 | |
| 17) Mode = 7, Median = 6 and
Mean = 5.73 | 18) Mode = 6 and 7.5, Median = 7.5 and
Mean = 8.28 | | |
| 19) D | 20) D | | |