

3) Find the mean, median, mode, and midrange of the given frequency distribution:

HW Score x	Frequency f
4	2
5	1
6	4
7	5
8	7
9	2
10	3

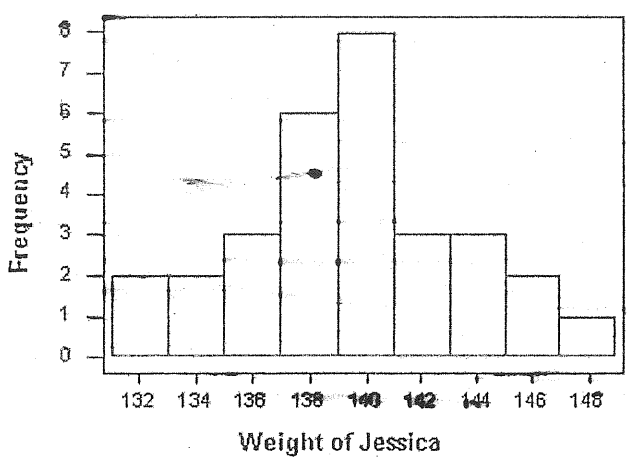
4, 4
5
6, 6, 6, 6
7, 7, 7, 7, 7
8, 8, 8, 8, 8, 8, 8
9, 9
10, 10, 10

\bar{x} 7.33
med 7.5
mode 8
midrange 7

To find the mean, (\bar{x}), and the median of a frequency distribution on a graphing calculator, follow these steps:

enter $\frac{L_1}{x}$ $\frac{L_2}{f}$
Stat calc 1- var stats L_1, L_2

4) Find the mean, median, mode, and midrange of the given frequency histogram:



x	f
132	2
134	2
136	3
138	6
140	8
142	3
144	3
146	2
148	1

\bar{x} 139.53
med 140
mode 140
midrange = 140
 $\frac{(132 + 148)}{2}$

To find the mean, (\bar{x}) and the median of a set of data on a graphing calculator, follow these steps:

Stat, edit enter L1

stat, 2: sort A (L1) enter DONE → makes finding the mode easier

Stat, calc 1-var stats enter

\bar{x} mean
Scroll down for Med.

only for mode ★

mode - most frequent

$$\text{midrange} = \frac{\text{Lowest} + \text{highest}}{2}$$

1) Consumer Reports magazine gave the following data for the number of calories in a meat hot dog for each of 17 brands:

173, 191, 182, 190, 172, 147, 146, 138, 175, 136, 179, 153, 107, 195, 135, 140, 138

Round 2 dec. places.

Find the mean, median, mode, and midrange for the number of calories in a meat hot dog for the 17 brands.

mean \bar{x} 158.65 calories

median 153 calories

mode 138 calories

midrange $\frac{(\text{min} + \text{max.})}{2} = \frac{(107 + 195)}{2} = 151$ calories

2) Find the mean, median, mode, and midrange of the given stem and leaf plot:

Stem	Leaf
3	1,2,4,4,9
4	0,1,2,2,6
5	7,7,9

31, 32, 34, 34, 39
40, 41, 42, 42, 46
57, 57, 59

$\bar{x} = 42.62$

med = 41

mode 34, 42, 57

Midrange
 $\frac{(31 + 59)}{2} = 45$