The Mean, Median, Mode and Midrange

Find the measures of central tendency for the following sets of data.

1. 82, 78, 56, 70

2. 21, 13, 18, 27, 30, 12

3. 78, 60, 64, 72, 60

4. 10, 8, 2, 9, 6, 4, 8

5.

Hours	Frequency
2	4
4	8
5	6
8	11
12	14
20	8
24	9

6.

Observed	Frequency
0	1
3	3
6	3
10	2
12	6

7.

Value	Frequency
5	9
6	4
7	11
8	20
9	5

8.

Days	Frequency
3	4
4	6
5	7
6	15
7	2

9.

Value	Frequency
22	6
23	8
24	10
25	4

10.

Value	Frequency
10	4
11	12
12	16
13	8
14	20
15	4

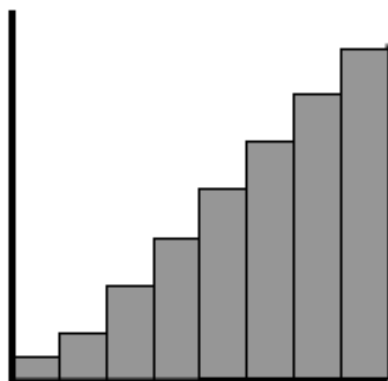| Answers	Mean	Median	Mode	Midrange
1	71.5	75	None	69
2	20.17	19.5	None	21
3	66.8	64	60	69
4	6.125	7	2 & 8	6
5	11.7	12	12	15
6	7.3	10	12	6
7	5.15	5.5	6	5
8	7.16	8	8	7
9	23.43	23.5	24	23.5
10	12.63	12.5	14	12.5

Mean, Median, Mode Comparison from Graphs
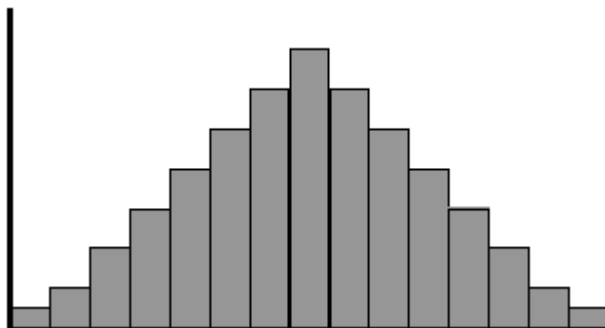
Skewed to the Right:
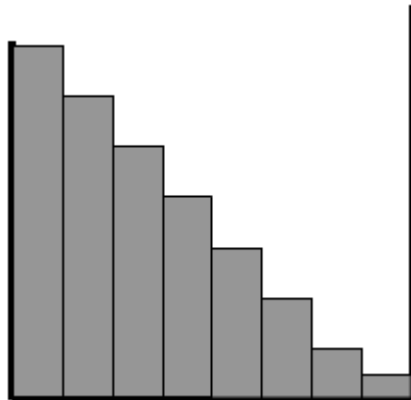
Mode < Media < Mean

Skewed to the Left

Mean < Median < Mode

Normal Symmetric:

Mean = Median = Mode