1. You are given the following data:

6 10 6 4 9 5

5 5 5 7 6 2

5 5 5 4 5 7

6 7 8 6 8 4

7 5 5 5 5 7

8 7 6 7 5 4

6 4 4 7 4 6

6 7 8 6 7 6

7 8 5 6 5 7

3 6 4 7 4 4

1. Construct a histogram for these data (Hint: make a frequency table).
2. How would you describe the shape of the data?
3. A random sample of 30 customers records for a physician’s office showed the following time (in days) to collect insurance payments:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of Days to Collect Payment | | | | |
| 34 | 55 | 36 | 39 | 36 |
| 32 | 35 | 30 | 47 | 31 |
| 60 | 66 | 48 | 43 | 33 |
| 24 | 37 | 38 | 65 | 35 |
| 22 | 45 | 33 | 29 | 41 |
| 38 | 35 | 28 | 56 | 56 |

1. Construct a stem and leaf diagram of these data.
2. What is the shape of the data based on your diagram from part a?