

MAT-120 -HW# 3- Answers

1.

Computer Store Connect Times

Leaf Unit = 1 minute

4 | 0 represents 40 minutes

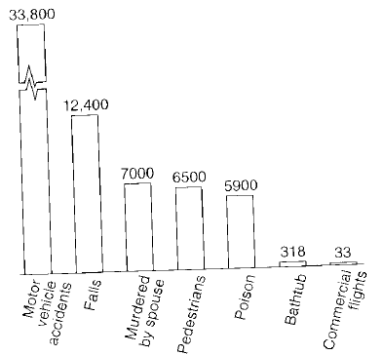
0	3 5 5 7 8 8
1	0 0 2 2 2 2 4 5 5 5 5 6 6 7 7 7 8 8 8 9 9 9
2	0 0 1 1 2 4 5 5 6 6 7 9
3	0 0 1 1 3 7 7
4	0 2 3 7
5	1 7 8
6	1 1 1 2 5
7	2

Note: The leaves may be in any order

The distribution appears to be skewed right. The most heavily used time interval is 10 to 20 minutes. There are no gaps.

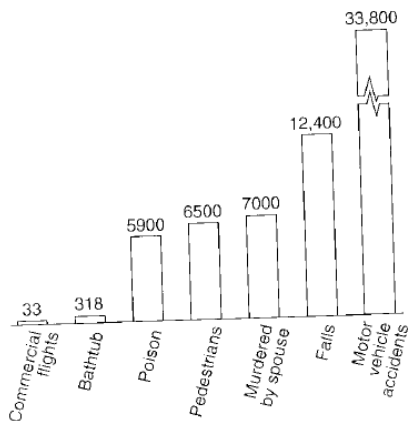
2.

Number of People Who Died in a Calendar Year from Listed Causes (Pareto Chart)



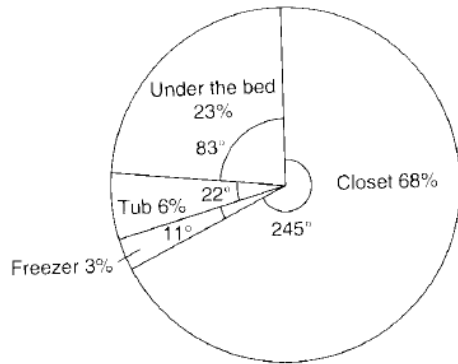
3.

Number of People Who Died in a Calendar Year from Listed Causes (Bar Graph)



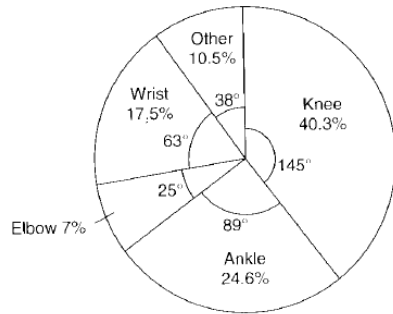
4.

Where We Hide the Mess



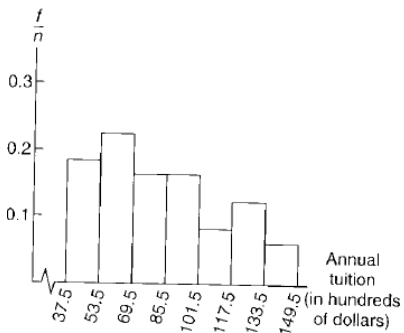
5.

Type of Injury in PE Classes



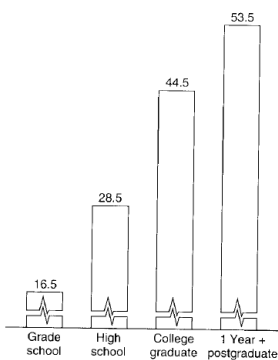
6.

Annual Tuition at Private Accredited U.S. Colleges and Universities (in hundreds of dollars)—Relative-Frequency Histogram



7.

Highest Level of Education and Average Annual Household Income (in thousands of dollars)



8.

Patient Dosage At Memorial Community Hospital

Leaf Unit = 1 pill

1 | 2 represents 12 pills

**Leaf digit is 0 through 4*

**Leaf digit is 5 through 9*

0*	1 1 2 2 2 3 3 3 4 4 4 4
0*	5 5 6 6 6 7 7 7 8 8 8 8 8 8 9 9 9 9 9
1*	0 0 0 1 1 2 2 2 2 2 2 3 4
1*	5 5 5

9.

Per Capita Energy Use by State

Leaf Unit = 100 million Btus

4 | 2 represents 420×10^7 Btu rounded to the nearest 10 million

Btus

2	0 2 2 3 3 3 4 4 5 6 7 8 9
3	0 0 0 0 0 1 1 1 1 2 2 2 3 3 3 3 4 5 5 5 5 6 8 9 9
4	0 2 2 2 5 7
5	7
6	
7	8 9
8	
9	9

10.

Prices for Comfortable Walking Shoes

Leaf Unit = \$1

3 | 2 represents \$32

4	0 6
5	0 2 5 5 5 8 8 9 9
6	0 0 0 2 5 5 9 9
7	0 0 6 8
8	
9	
10	9
11	0

Note: Leaves may be in any order.

Most of the data values are in the range from \$50 to \$70. The distribution is skewed right. There are no values between \$80 and \$100.