Frequency Distribution Worksheet

1. The number of hours taken by transmission mechanics to remove, repair, and replace transmissions in one of the Transmission Fix-It stores one day last week are recorded as follows:

2.9	3.4	5.4	3.6	2.7	4.4	5.4	3.2	4.6	3.3
2.3	3.3	6.7	2.2	4.4	5.5	3.3	6.7	8.7	4.1

Construct a frequency distribution with 5 class intervals

2. Here are the ages of 50 members of a county social service program:

81	53	67	60	80	64	56	54	91	61
66	88	67	65	52	72	74	65	73	69
43	54	76	70	97	68	82	75	79	60
39	87	76	97	86	45	60	43	65	76
92	72	82	80	70	65	50	58	70	56

Use this data to construct relative frequency distributions using 7 equal intervals and 13 equal intervals.

3. High Performance Bicycle Products Company in Chapel Hill, NC sampled its shipping records for a certain day with these results:

4	12	8	14	11	6	7	13	13	11
11	20	5	19	10	15	24	7	29	6

Construct a relative frequency distribution of the data. Use 5 equal class widths that will include

all of the data.

a. What is the class width?

b. What statement can you make about the effectiveness of order processing from the

frequency distribution?

c. If the company wants to ensure that half of its deliveries are made in 10 days or less, can

you determine from the frequency distribution whether they have reached this goal?

LIVEWORKSHEETS