

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Find the mean for the given sample data.

- 1) Six college buddies bought each other Christmas gifts. They spent: 1) _____
\$261.12 \$120.52 \$186.23
\$298.97 \$171.55 \$263.96
What was the mean amount spent? Round your answer to the nearest cent.

- 2) Frank's Furniture employees earned the following amounts last week: 2) _____
\$539.85 \$481.76 \$420.29 \$336.28 \$235.11
\$388.99 \$424.83 \$504.22 \$428.70
What was the mean amount earned by an employee last week? Round your answer to the nearest cent.

Find the median for the given sample data.

- 3) The distances traveled (in miles) to 7 different swim meets are given below: 3) _____
10, 19, 36, 46, 70, 73, 78
Find the median distance traveled.

- 4) A store manager kept track of the number of newspapers sold each week over a seven-week period. The results are shown below. 4) _____
52, 36, 225, 148, 296, 238, 231
Find the median number of newspapers sold.

Find the mode(s) for the given sample data.

- 5) 98, 71, 32, 71, 29, 98 5) _____
- 6) 7.13, 7.41, 7.56, 7.13, 7.88, 7.99, 7.62 6) _____
- 7) The speeds (in mi/h) of the cars passing a certain checkpoint are measured by radar. The results are shown below. 7) _____
40.9 42.1 41.1 42.4 41.0
41.0 42.1 44.6 42.7 42.4
40.9 44.6 42.4 42.5 42.1
40.9 40.9 41.1 42.6 40.9

Find the midrange for the given sample data.

- 8) Bill kept track of the number of hours he spent exercising each week. The results for 15 weeks are shown below. Find the midrange. 8) _____
7.1 7.0 7.1 7.5 7.5
7.7 6.9 8.0 8.1 7.5
8.5 7.0 7.7 8.8 7.5

- 9) A meteorologist records the number of clear days in a given year in each of 21 different U.S. cities. The results are shown below. Find the midrange. 9) _____
- 72 143 52 84 100 98 101
 120 99 121 86 60 59 71
 125 130 104 74 83 55 169

Find the mean of the data summarized in the given frequency distribution.

- 10) A company had 80 employees whose salaries are summarized in the frequency distribution below. Find the mean salary. 10) _____

Salary (\$)	Employees
5,001-10,000	10
10,001-15,000	16
15,001-20,000	18
20,001-25,000	11
25,001-30,000	25

- 11) The highway speeds of 100 cars are summarized in the frequency distribution below. Find the mean speed. 11) _____

Speed (mph)	Cars
30-39	4
40-49	15
50-59	52
60-69	17
70-79	12

- 12) The manager of a bank recorded the amount of time each customer spent waiting in line during peak business hours one Monday. The frequency distribution below summarizes the results. Find the mean waiting time. Round your answer to one decimal place. 12) _____

Waiting time (minutes)	Number of customers
0 - 3	14
4 - 7	9
8 - 11	9
12 - 15	6
16 - 19	7
20 - 23	3
24 - 27	1

Answer Key

Testname: MEASURE OF CENTER.TST

- 1) \$217.06
- 2) \$417.78
- 3) 46 miles
- 4) 225 newspapers
- 5) 98, 71
- 6) 7.13
- 7) 40.9, 42.4, 42.1
- 8) 7.85
- 9) 110.5
- 10) \$19,063.00
- 11) 56.3 mph
- 12) 9.2 min