

### Unit 5 Review

Name: KEY

Date: \_\_\_\_\_

1. Max compiled a list of these car prices: \$7500, \$6500, \$5750, \$4900, \$6250, \$4200. Find the *mean* of the prices.

\$5850

2. Jamie recorded the following car prices: \$10,200, \$9300, \$11,900, \$2999, \$17,200, and \$9600. Find the *median* of the prices.

~~2999~~, ~~9300~~, 9600, ~~10200~~, ~~11900~~, ~~17200~~

\$9900

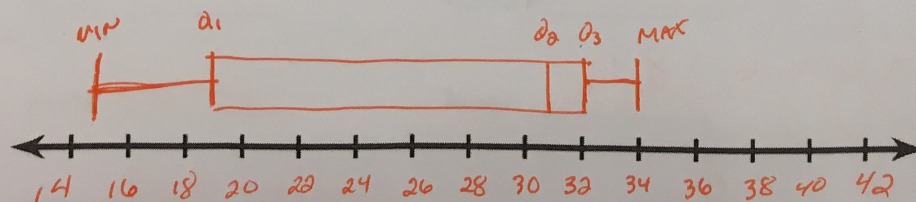
3. Below are the tire pressures at an auto clinic. Find the quartiles and sketch a box-and-whisker plot of the data.

15, 17, 21, 25, <sup>19</sup>31, <sup>32</sup>32, 32, 34

Q<sub>1</sub>: 19

Q<sub>2</sub>: 31

Q<sub>3</sub>: 32



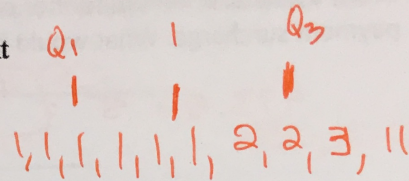


Consumer Math  
Unit 5

6. In the data set below, find the measures of center and measures of spread.

Times Winning the Basketball Tournament

Times Won	Frequency
1	6
2	2
3	1
11	1



Mean: 2.4

Median: 1

Mode: 1

Range: 10

IQR: 1

7. In the data set below, find the measures of center and measures of spread.

Single Family Home Prices

Stem	Leaf
46	3 6 9
47	5 6 8 8
48	2 6
49	2

Key: 47|5 = 475,000

Mean: 476,500

Median: 477,000

Mode: 478,000

Range: 29,000

IQR: ~~16,000~~ 13,000

Consumer Math  
Unit 5

8. Jenny's annual premium for her car insurance is \$1894. If she pays quarterly, there is a \$5 per payment surcharge. What would be her quarterly payment?

$$473.5 + 5 = \$478.50$$

9. Mary has \$1000 deductible collision insurance. She backs her car into a mailbox and causes \$3400 worth of damage to her car. How much will:

Mary have to pay: 1000 Insurance have to pay: 2400

10. Ron has \$1200 deductible collision insurance. His car slips in the snow and crashes into a tree, causing \$4100 worth of damage to his car. How much will:

Ron have to pay: 1200 Insurance have to pay: 2900

11. Keith ran his car into a telephone pole that had a bicycle leaning against it which was also damaged. The pole will cost \$3800 to fix, the bicycle will cost \$1300 to replace, and there was \$4100 damage to his car. If he has \$10,000 liability insurance, how much of the damage will Keith have to pay himself?

$$\text{TOTAL DAMAGE} = \$9200$$

HE WON'T HAVE TO PAY AT ALL.