

Year Ten Advanced Homework Sheet 5 Term 2

Statistics

Name: _____

Due Date: _____

1. Find the average (mean) of the following set of values. Show calculations.

2, 4, 8, 9, 6, 5, 2, 9, 8, 7

2. Rank the values from smallest to largest, then find the median value.

a) 3, 5, 7, 4, 2, 6, 8

b) 26, 17, 12, 23, 15, 17, 28, 24

3. Give the mode for this set of data

12, 15, 15, 17, 12, 18, 13, 15, 26

4. Find the mean, median and mode for

38, 20, 54, 40, 37, 40, 25

5. Check that the following data is ordered

10, 11, 14, 20, 21, 21, 22, 31, 33, 34, 35, 41, 42, 45, 49, 56, 57

- a) Find the median
b) Find Q_1 and Q_3
c) Draw a box and whisker plot

6. Use class intervals of 5 to express the following as a stem and leaf plot

42, 31, 22, 21, 27, 20, 38, 27, 34, 23, 28, 12, 32, 35, 22, 23, 32, 40