

Name: \_\_\_\_\_

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

**Learning Goal 9.2**

I can demonstrate an understanding of data analysis.

1. Calculate the mean, median, mode and range of the following data sets.

Mean	Median	Mode	Range
a. {1, 10, 6, 4, 2, 5, 3, 6, 5, 4}			
4.6	4.5	4, 5, 6	9
b. {5, 10, 10, 6, 8, 6, 3, 7, 5, 3}			
6.3	6	3, 5, 6, 10	7
c. {3, 4, 7, 8, 3, 4, 8, 8, 5, 7}			
5.7	6	8	5
d. {83, 73, 83, 59, 24}			
64.4	73	83	59
e. {41, 10, 41, 41, 29}			
32.4	41	41	31
f. {41, 29, 54, 33, 86}			
48.6	41	–	57
g. {593, 287, 730, 450, 279, 692, 791, 820, 109, 450, 368, 429, 975, 479, 730}			
545.47	479	450, 730	866
h. {74, 20, 70, 30, 30, 70, 37, 70, 98, 61, 54, 57, 45, 54, 12, 70, 70, 83, 70, 97}			
58.6	65.5	70	86

2. The bar chart represents the outcome of a penalty shoot-out competition. Each person in the competition was allowed six shots at the goal. The graph shows the frequency with which each score was achieved.

- How many people were involved in the shoot out? 16
- Find the mean, median, mode and range of the scores.

Mean	Median	Mode	Range
7.5	3	5	5

