


Name: _____

Show work needed to justify your answer.

Date: _____

HW: # 25a: Math IBSL - Standard 24 - Measures of Central Tendency

5 points


 1 Find the median of each data set.

a 11, 14, 17, 18, 19, 20, 26

b 11, 14, 17, 18, 19, 20, 26, 28

a) 18

b) 18.5

 2 Craig keeps chickens and collects their eggs every day. Find the median number of eggs that he collects in a day.

Eggs	5	6	7	8	9	10	11	12
f	2	4	3	7	11	18	6	2

Total Eggs 53
median Egg: 27

median: 9

3 A factory owner and the factory workers in Indobodia are involved in a dispute over wages. They both start with the basic data of monthly income (in US\$).

Wage (\$ per month)	2000000	1000	600	200
Number of workers	1	10	14	25

(a) mean:

$$\frac{2000000 + 10(1000) + 14(600) + 25(200)}{50}$$

mean = 40,468

Find

a the mean

b the mode

c the median.

(b) mode = 200

c) median = $\frac{600 + 200}{2} = 400$
(25 i 26)