

Name:

ANSWERS!

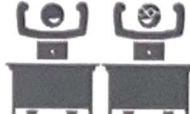
Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Part 7-1 Classwork A

Calculators OK

Question 01

Becca asked her classmates to flip a coin 20 times. Each person kept track of the number of times the coin landed on tails. The results are in this list.

6, 13, 8, 12, 7, 7, 8, 10, 13, 15, 8, 12, 12, 8

first, order from
least to greatest

Enter the median value of the data.

6, 7, 7, 8, 8, 8, 8, 10, 12, 12, 12, 13, 13, 15
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲

Question 02

Consider this data.

12, 18, 9, 9, 13, 10, 20

even number of data
points so get middle
of middle two

ANSWER: 9

Two extra numbers, 1 and 8, are added to the data set. Determine whether each statement is true or false once these extra numbers are added. Select True or False for each statement.

	True	False
Adding the extra numbers will decrease the range.		✓
Adding the extra numbers will change the median.	✓	
Adding the extra numbers will increase the mean.		✓

New New

① ⑧ 9, 9, 10, 12, 13, 18, 20

Question 03

Consider this data:

8, 11, 13, 12, 9, 16, 8, 10, 15

8, 8, 9, 10, 11, 12, 13, 15, 16
 5, 8, 8, 9, 10, 11, 12, 13, 15

Determine if each statement is True or False. Select True or False for each statement.

	True	False
Changing the 16 to a 5 will decrease the mean.	✓	
Changing the 16 to a 5 will increase the range.	✓	
Changing the 16 to a 5 will not change the median.		✓

old range 8
 new range 10

Question 04

Consider this data.

14, 11, 16, 11, 18, 19, 13, 13, 20, 21

new 10, 11, new 12, 13, 13, 14, 16, 18, 19, 20, 21

Two extra numbers, 10 and 12, are added to the data set. Determine whether each statement is true or false once these extra numbers are added. Select True or False for each statement.

	True	False
Adding the extra numbers will decrease the mean.	✓	
Adding the extra numbers will not change the range.		✓
Adding the extra numbers will decrease the median.	✓	