Homework—Day 1

Name _____

Results of a Survey on the Top Five Reasons Why People Select Certain Fast-food Restaurants

1. Taste	1. Location	1. Playground	1. Location
2. Nutrition	2. Taste	2. Nutrition	2. Taste
3. Cleanliness	3. Cleanliness	3. Taste	3. Cleanliness
4. Location	4. Nutrition	4. Cleanliness	4. Nutrition
5. Playground	5. Playground	5. Location	5. Playground

Marian's Way

Taste	$1 + 2 + 3 + 2 = 8$
Nutrition	$2 + 4 + 2 + 4 = 12$
Cleanliness	$3 + 3 + 4 + 3 = 13$
Playground	$5 + 5 + 1 + 5 = 16$
Location	$4 + 1 + 5 + 1 = 11$

Robert's Way

Taste	$1 + 2 + 4 + 2 = 8$	$8 \div 4 = 2$
Nutrition	$2 + 4 + 2 + 4 = 12$	$12 \div 4 = 3$
Cleanliness	$3 + 3 + 4 + 3 = 13$	$13 \div 4 = 3.25$
Playground	$5 + 5 + 1 + 5 = 16$	$16 \div 4 = 4$
Location	$4 + 1 + 5 + 1 = 11$	$11 \div 4 = 2.75$

Marian's New Ranked Order

Taste
Location
Nutrition
Cleanliness
Playground

Robert's New Ranked Order

Taste
Location
Nutrition
Cleanliness
Playground

Marian: "Look, we got the same list! Boy, what a coincidence!"

Robert: "No, that's not a coincidence, it will always turn out the same if you take the total or the average."

Marian "I disagree. I think it depends on the numbers. They won't always be the same."

Who do you think is correct?

In a paragraph, explain *why* you think the person is correct.