

Which Is Number One?

Which restaurant has the best smoothie in town? It depends on the criteria used. Susan surveyed four restaurants that served fruit smoothies for an article in the school newspaper.

Number Sense

Restaurant	Thickness	Taste	Healthy Ingredients	Cost per Size
Sam's Smoothies	4	3.5	5	1.5
Health Hut	4	4	4	3.5
Drink and Dine	4	4	1	4
Sav o' Straw	3	3	3	5

To rate each restaurant, Susan calculated the mean and the median according to four categories. The ratings went from 1 (poor) to 5 (excellent) in each category.

1. Which restaurant would be rated the highest if Susan compared the mean scores?

2. Which restaurant would be happier if Susan used the median to compare the scores? Explain.

3. Which restaurant's rating would go down if Susan used the median to rank?

4. Choose one criterion from the survey that you feel is most important and weigh it double in value. Divide by 5 to find a new mean. What happens to the ranking of the restaurant?
