

*P.I. A.S.3: Determine when collected data or display of data may be biased*

1. Which of these questions is a biased question?

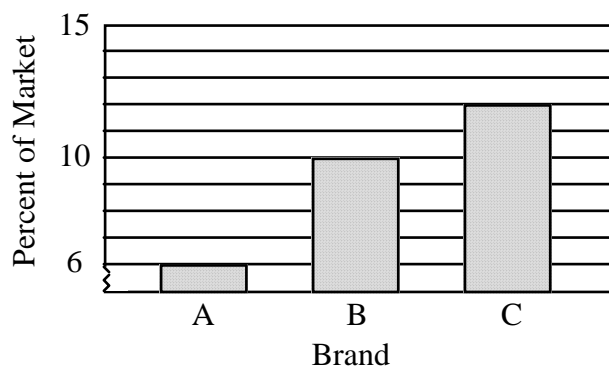
[A] Do you prefer yogurt or pudding for dessert?

[B] Do you prefer to sit on the couch and watch TV or do you like to exercise and stay in shape?

[C] What sport do you play?

[D] What is your favorite food?

2. **Percent of Market Share of Various Brands of Orange Juice**



The graph above shows the market shares of various juice companies that sell orange juice. What values have been omitted from the graph?

[A] 0 to 5.9%

[B] 5 to 9%

[C] 2 to 8%

[D] 0 to 3%

3. Housing standards in Portland doubled one year. A builder draws a graph showing the outline of a house 2 cm by 3 cm for the first year and one 4 cm by 6 cm for the second year. Why is the graph misleading?

[1] B

[2] A

Because the area of the second house is four times that of the first, the graph makes it appear housing starts quadrupled instead of

[3] doubled.