Possible Solutions

Since this is a multiple choice question, there is one correct answer, but a number of ways of thinking to conclude a response. However, here is a common way of analyzing these situations, and whether each response is correct or incorrect:

Variability means that the data will range, and that range will be higher than another, more specified, situation. In this case, we are looking for the most range or variability.

a. The daily temperatures for 2 weeks are going to vary. It is very unlikely that the temperature stays the same for more than a day or two. There is range or variability in this data because it yields several results.
b. The data collected can yield a single result here, and we can determine exactly how many goals were scored. The range or variability here is little to none.
c. This data can be collected by looking at the amount of student tickets were sold, or the number of students who came. While there can be a small range, the data is based around a single point (even if the number is slightly off).
d. The data here can be calculated if a person keeps track of their diet. It can result in a single data point, so the variability is low.