Based on records kept at a gas station, the distribution of gallons of gas purchased by customers is skewed to the right with mean 10 gallons and standard deviation 4 gallons. A random sample of 64 customer receipts was selected, and the sample mean number of gallons was recorded. Suppose the process of selecting a random sample of 64 receipts and recording the sample mean number of gallons was repeated for a total of 100 samples. Which of the following is the best description of a dotplot created from the 100 sample means?

A. The dotplot is skewed to the right with mean 10 gallons and standard deviation 4 gallons.

B. The dotplot is skewed to the right with mean 10 gallons and standard deviation 0.5 gallon.

C. The dotplot is skewed to the right with mean 10 gallons and standard deviation 0.4 gallon.

D. The dotplot is approximately normal with mean 10 gallons and standard deviation 0.5 gallon.

E. The dotplot is approximately normal with mean 10 gallons and standard deviation 0.4 gallon.