31. A wildlife biologist is interested in the relationship between the number of chirps per minute for crickets ($y$) and temperature. Based on the collected data, the least squares regression line is $\hat{y} = 10.53 + 3.41x$, where $x$ is the number of degrees Fahrenheit by which the temperature exceeds 50°. Which of the following best describes the meaning of the slope of the least squares regression line?

(A) For each increase in temperature of 1° F, the estimated number of chirps per minute increases by 10.53.

(B) For each increase in temperature of 1° F, the estimated number of chirps per minute increases by 3.41.

(C) For each increase of one chirp per minute, there is an estimated increase in temperature of 10.53° F.

(D) For each increase of one chirp per minute, there is an estimated increase in temperature of 3.41° F.

(E) The slope has no meaning because the units of measure for $x$ and $y$ are not the same.