Incorrect. 117 is between the perfect squares 100 and 121. So $\sqrt{117}$ must be between $\sqrt{100}$ and $\sqrt{121}$. To make your approximation, determine whether $\sqrt{117}$ is closer to $\sqrt{100}$ or $\sqrt{121}$. Then use trial and error, squaring incrementally greater or lesser numbers, to find the best approximation of $\sqrt{117}$. The correct answer is 10.8.