

- 13.** A particular line of business has three types of claims. The historical probability and the number of claims for each type in the current year are:

Type	Historical Probability	Number of Claims in Current Year
A	0.2744	112
B	0.3512	180
C	0.3744	138

You test the null hypothesis that the probability of each type of claim in the current year is the same as the historical probability.

Calculate the chi-square goodness-of-fit test statistic.

- (A) Less than 9
- (B) At least 9, but less than 10
- (C) At least 10, but less than 11
- (D) At least 11, but less than 12
- (E) At least 12