

The following table shows the number of m&ms of each type and color that were eaten by 3rd graders in an experiment.

| | Red | Blue | Green | Yellow |
|---------------|-----|------|-------|--------|
| Peanut | 13 | 17 | 11 | 16 |
| Peanut butter | 14 | 19 | 14 | 15 |
| Almond | 15 | 16 | 17 | 19 |
| Plain | 13 | 17 | 17 | 16 |

Test whether there the proportion of blue m&ms is the same for Plain and Peanut m&ms. In particular, what is the expected count of plain blue m&ms, and what is the p-value? You don't need to write out the entire test statistic. Just tell me the expected number of plain blue m&ms, and write the p-value in terms of the outcome, t , of the test statistic.