**Question 2**

How old are college students? The national age distributions for college students are shown below. The Western Association of Mountain Colleges took a random sample of 212 students and obtained the sample distribution listed second. Is the sample age distribution for the Western Association of Mountain Colleges a good fit to the national distribution? Use α = 0.05

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| National Age Distribution for College Students Age | Under 26 | 26-35 | 36-45 | 46-55 | | Over 55 |
| Percentage | 39% | 25% | 16% | 12% | | 8% |
| Sample Distribution, Western Association of Mountain Colleges Age | Under 26 | 26-35 | 36-45 | | 46-55 | Over 55 |
| # of Students | 65 | 73 | 41 | | 21 | 12 |