**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

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| --- | --- | --- | --- | --- | --- |
| 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  |