Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Investigation 10: **Is There an Association?**

**Exit Ticket**

Complete the following two-way frequency table for the variables of playing in the orchestra (Yes or No) and playing in the marching band (Yes or No) in which a sample of 50 students indicates there is a possible association between the two variables.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Play  in the orchestra | Do not play  in the orchestra | Total |
| Play  in the marching band |  |  | 20 |
| Do not play  in the marching band |  |  | 30 |
| Total | 15 | 35 | 50 |

Why does your table indicate a possible association between the two questions involving participation in the orchestra and participation in the marching band?