

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Organizing Data Using Matrices Exit Quiz

Solve the following problems involving Matrices given the table below.

Below is the number of participants in the sport festival of school Y arranged according to year level.

|              | 1st year | 2nd year | Third year |
|--------------|----------|----------|------------|
| Volleyball   | 102      | 82       | 50         |
| Basketball   | 105      | 80       | 56         |
| Table Tennis | 52       | 36       | 28         |
| Badminton    | 50       | 30       | 23         |

1. How many participants are third year and played basketball?

2. How many participants are first year or played badminton?

3. Create a 4X3 matrix and Label it matrix Y.

4. Find  $Y_{32}$ , what does it represent?

5. Find  $Y_{23}$ , what does it represent?