

Mod Questions

Answer all of these questions one after another, all in the same class file.

```
public class modQuestions
{
    public static void main (String args[])
    {
        new modQuestions ();
    }

    public modQuestions ()
    {
        System.out.println("\nQuestion 1: Gym Class\n");
        System.out.println("\nQuestion 2: Time\n");
        System.out.println("\nQuestion 3: Flower Boxes\n");
    }
}
```

1. Gym classes are to form volleyball teams of 7 each. Write a program that asks for the number of players, and then gives the number of teams and the number of players left over. The program output should look similar to:

```
Enter the number of players: 37
There will be 5 teams with 2 players left over.
```



2. (Remember to answer this question in the same class file as the previous question) Write a program that allows the user to enter a time in minutes and then displays the time in hours:minutes format. The program output should look similar to:

```
Enter the number of minutes: 327
This is 5:27
```



Be sure to consider times where the number of minutes left over is fewer than 10. For example, 184 minutes should display 3:04. Here is an example with the 0 inserted using an if:

```
Enter the number of minutes: 65
This is 1:05
```

3. (Remember to answer this question in the same class file as the previous question)

Daur's Flowers ships flowers in pots all around the world and the orders are placed via the Internet. Write a program that asks the user for the number of flower pots to be shipped, and then displays the number of boxes required. A very big box can hold 9 pots. A big box can hold 4 pots and a small box can only hold one. Have the program calculate the smallest number of boxes required. The program output should look similar to:

```
Enter the number of flower pots to ship: 25
We will ship:
  2 very big box(es)
  1 big box(es)
  3 small box(es)
This is a total of 6 boxes.
```

