Chapter 2 Labs Part 2

**Lab 2.6:**

There are 19963 seconds

In 5 hours 32 minutes & 43 seconds

**Lab 2.7:**  
You have converted 153665 to

42 hours 41 minutes 5 seconds

**Lab2.8:**

The Distance between 5, 4.1 and -3, 8 is 8.9

**Lab 2.9:**  
You entered the radius: 5

The Volume is: 523.599

The Surface Area is: 314.159

**Lab 2.10:**

You entered 3, 4, 5.5.

The Semi Perimeter is 6.25

The Area is 5.855

**Lab 2.11:**

You consumed 20.5 gallons to travel 810 miles at 39.512 mpg

**Lab 2.12:**  
Your Coin Jar is worth $97.44

**Lab 2.13:**

import java.text.\*;

public class Lab2\_13 {

private static void generate (){

//Random createNum = new Random ();

int num1 = (int) (Math.random() \* 7) + 1; //createNum.nextInt(8);

int num2 = (int) (Math.random() \* 7) + 1; //createNum.nextInt(8);

int num3 = (int) (Math.random() \* 7) + 1; //createNum.nextInt(8);

int middle3 = (int) (Math.random() \* 743); //createNum.nextInt(742);

int last4 = (int) (Math.random() \* 10000); //createNum.nextInt(9999);

concatenate (num1, num2, num3, middle3, last4);

}

private static void concatenate (int num1, int num2, int num3, int middle3, int last4){

DecimalFormat formatMiddle = new DecimalFormat ("000");

DecimalFormat formatLast = new DecimalFormat ("0000");

//String formattedMiddle3 = String.format ("%03d",middle3);

//String formattedLast4 = String.format ("%04d", last4);

String formattedMiddle3 = formatMiddle.format (middle3);

String formattedLast4 = formatLast.format (last4);

System.out.println (MessageFormat.format("The random number is: {0}{1}{2}-{3}-{4}", num1, num2, num3, formattedMiddle3, formattedLast4));

}

public static void main (String [] args){

generate ();

}

}

**Output**

The random number is: 234-301-2547