Worksheet 8   Numeric Functions

Create a program which begins by raising 10 to the power 3, followed by rounding both 3.4 and 3.6 to their nearest whole numbers.   Next, allow the user to enter 3 unique float (or decimal) numbers in any order.

Make your program output EXACTLY as shown in the sample session below.

Sample Session

	Hint: you'll need some or all of the following:

```10 to the power 3 is: 1000```
```3.4 rounded to nearst whole number is: 3```
```3.6 rounded to nearst whole number is: 4```
 	
```Please enter 3 unique numbers:```
```Enter number #1 > 4.25```
```Enter number #2 > 5.0```
```Enter number #3 > 3.6```
```You entered: 4.25 5.0 3.6```
 	
```the largest number was: 5.0```
```the smallest number was: 3.6```
```the middle number was: 4.25```
	import java.lang.Math;
	import java.util.Scanner;
	
	(int) - casting
	Math.pow(a,b)
	Math.round(x)
	Math.max(num1, num2)
	Math.min(num1,num2)

Can you solve the Mystery below? In the sample session below why does 4.300000000000001 appear instead of just 4.3?

```
10 to the power 3 is: 1000
3.4 rounded to nearst whole number is: 3
3.6 rounded to nearst whole number is: 4


Please enter 3 unique numbers:
Enter number #1 > 4.3
Enter number #2 > 5.0
Enter number #3 > 3.6
You entered:  4.3 5.0 3.6


the largest number was: 5.0
the smallest number was: 3.6
the middle number was: 4.300000000000001
```