THE POWER OF THE PLACE

Hi, I'm Professor Panda! Let's look at my magic chalkboard and review the concept of place value.

PLACE VALUE CHART					
Thousands			Ones		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
		4	3	7	5

The chart shows us that we have:

5 ones	=	5
7 tens	=	70
3 hundreds	=	300
4 thousands	=	4,000
Add them up and you get:		4,375

In order to understand the value of a digit, you have to recognize its place value!

Hi! My name is Lupita. Here's a neat addition timesaver that Professor Panda taught me.

How would you find the answer to a problem such as: 837 + 541 + 85 = ?

Would you put the numbers in a column, and then add like this? →

```
 837
 541
+ 85
```

Well, there's a quick way to get the right answer without copying all those numbers.

STEP 1: First, add up all the numbers in the ones place. **5** + **1** + **7** = *1*3. The 3 is your answer's *ones digit*. Carry the *1* over any number in the tens place.

1
83**7** + 54**1** + 8**5** = 3

STEP 2: Now, add up all the numbers in the tens place. **1** + **8** + **4** + **3** = *1*6. The 6 is your answer's *tens digit*. Carry the *1* over any number in the hundreds place.

1 **1**
8**3**7 + 5**4**1 + **8**5 = 63

STEP 3: Add up all the numbers in the hundreds place. **1** + **5** + **8** = *1*4. The 4 is your answer's *hundreds digit*. Since there are no numbers in the thousands place, put the *1* in the thousands place of your answer.

1
837 + **5**41 + 85 = 1,463

Now, use this method to find the sums for the problems below.

1) 567 + 292 + 305 =
2) 70 + 88 + 215 =
3) 834 + 35 + 126 =
4) 394 + 37 + 56 =

Remember, when you do math, keeping the place value positions in mind will help you to avoid errors.