Place Value to 1,000

The Accelerate Orchestra is coming to town! Everyone is so excited to listen to their beautiful music.

In fact, people have been buying tickets to the orchestra for four weeks!

The ticket booth has been very busy. They would like to organize the tickets in the order they were purchased: week 1, week 2, week 3, and week 4. Let's help them organize the tickets by weeks.

Here are all of the tickets that were purchased in week 1. Wow! That is a lot of tickets. Instead of counting the tickets one by one, we can use a base ten chart to help us!

The base ten chart has a section for hundreds, tens, and ones. Let's separate the tickets into groups just like the chart! There are 1, 2, 3 groups of 100; 1, 2, 3, 4, 5, 6 groups of 10; and 1, 2 groups of 1. We can record the number of tickets in the base ten chart like this: 362 tickets.

The base ten chart helps us understand numbers better. When we look at the number 362, we can see that there are 3 hundreds, 6 tens, and 2 ones.

Here are all of the tickets that were purchased in the second week. Yikes! Instead of dividing these tickets into groups, let's look at them in base ten blocks.

There are 2 large squares, 9 sticks, and 7 small squares. We know that the large squares are worth 100, the sticks are worth 10, and the small squares are worth 1. That means this number is 297. There were 297 tickets sold in the second week!

So many people have purchased tickets to go the orchestra! These base ten blocks represent the number of tickets sold in the third week. Let's count them and separate them into groups.

How many hundreds do you see? That's right! There are 5 hundreds. How many tens do you see? Correct! There are 3 tens. How many ones do you see? Yes! There are 3 ones.

Now that we've counted and separated the base ten blocks, we can insert the correct numbers into the base ten chart. There are 5 hundreds, 3 tens, and 3 ones. This is the number 533. We can check our work by adding 500+30+3=533. 533 tickets were sold in the third week.

These base ten blocks represent the number of tickets sold in the fourth and final week of ticket sales. There are so many blocks! Let's count them together!

100, 200, 300, 400, 500, 600, 700, 800, 900, 1,000. Wow! Ten large squares equals 1,000.

You might have noticed that 1,000 doesn't fit into our base ten chart. That is because the "1" in "1,000" belongs in the thousand's place, like this! Instead of using ten hundred blocks, we need to use one thousand cube! Now we can clearly see just how large the number 1,000 is!

There are so many people who are excited to see the orchestra. The ticket booth sold 362 tickets in week 1, 297 tickets in week 2, 533 tickets in week 3, and 1,000 tickets in week 4.

Thank you for using base ten blocks and base ten charts to find the total number of tickets sold in each week!