

Learning Activity for Mighty Big Numbers **4th Grade**

Objective: The students will be able to read and write numbers up to a billion.

Materials: recording sheet with 9 place value spaces for each pair of students, 20 index cards labeled 0-9 (2 of each) for each group of 4 and to use as a class

Mighty Big Numbers

Me and my family went on a holiday
Way across country seven states away
Three Zero Two Seven miles – on our car's odometer
Everywhere we went I had a great day

We drove through the desert and through the plains
Sunny states and where it rains
3 thousand twenty-seven is a really long journey
A Mighty Big Number for sure.

Out on a beach at the Pacific Ocean
I read a book by a Mr. Jules Verne
Called Two Zero Zero Zero Zero Leagues Under the Sea
The story was better each page that I turned

It was about a submarine diving deep
Down down down where the octopus sleep
20 thousand Leagues is a long way under
A Mighty Big Number for sure.

Wow! What a view across the Grand Canyon
Point Imperial's the highest point there
Eight Eight Two Zero feet from the bottom
Boy, that view's really beautiful there!

Nothing in the world is like it at all
Makes my backyard look kinda small
Eight Thousand Eight Hundred Twenty feet below me
A Mighty Big Number for sure.

We drove down to a Theme Park in Florida
Stayed in a campground, had a great time
One-Six-Six-Four Zero-Zero-Zero-Zero visitors
Go there every year, so said the sign

I love the rides and I love camping there
I love waking up in the fresh air
16 Million, Six Hundred Forty Thousand visitors
A Mighty Big Number for sure.
A Mighty Big Number for sure

Procedure:

- 1) Play the song.
- 2) Teacher demonstrates the place value chart on the board to the hundred millions' place.
- 3) Listen to the song again. Model the numbers in the song on the place value chart, discussing where each digit goes in the number.
- 4) Teacher passes out a card with a digit to 10 different students and 2 commas. Teacher calls out a number. The students with the appropriate digits move to the front of the room and make the number, including commas. Students sitting at their desks will read the number displayed in front. Make necessary changes. Repeat 4 times.
- 5) In groups of 4 (2 teams of students) students will play a game by alternating drawing digit cards and trying to create the largest possible number, placing one digit at a time. Each pair keeps their number hidden during the card drawing. Each time a number is drawn the drawing team must state which place value they are putting their digit, but not reveal the digit.
- 6) After alternating 9 times, read and compare numbers. Team with the greater number earns a point. First team to 4 points wins.

Evaluation: Teacher observation during the class activity and game to demonstrate the understanding of numbers to the hundred millions' place.