4.NBT.A.2 Place Value Through Millions

4.NBT.A.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

1. Write each number in two other forms.
   a. 800,000,000 + 10,000,000 + 5,000,000 + 700,000 + 20,000 + 4,000 + 300 + 10 + 9
   b. Four million, five hundred thousand, seven hundred and three
   c. 938,405,100

   Solution:
   a.

   b.

   c.

2. Write the number 3,218,765 in word form.

   Solution:

3. Write the place value of digit 8 in 126,387,564.

   Solution:

4. Find the place value of underlined digit.
   a. 2,132,540
   b. 500,632,900
   c. 734,807,923

   Solution:
   a.
   b.
   c.

5. A lottery prize of $768,164,500 is awarded to the highest winner in year 2019. Write the number in word and expanded form.

   Solution:

6. Use place value and period names to write 1,923,647 in word form.

   Solution:

7. In just a week, a single army ant queen can lay up to 350,200 eggs. How many eggs can the same queen lay in 6 weeks? Write the number of eggs laid in 6 weeks in standard, word, and expanded form.

   Solution:

4.NBT.A.2 Place Value Through Millions

4.NBT.A.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.

1. Write each number in two other forms.
   a. 800,000,000 + 10,000,000 + 5,000,000 + 700,000 + 20,000 + 4,000 + 300 + 10 + 9
   b. Four million, five hundred thousand, seven hundred and three
   c. 938,405,100

   Solution:
   a. 815,724,319; eight hundred fifteen million, seven hundred twenty-four thousand, three hundred and nineteen
   b. 4,500,703; 4,000,000 + 500,000 + 700 + 3
   c. nine hundred thirty-eight million, four hundred five thousand, one hundred;
   900,000,000 + 30,000,000 + 8,000,000 + 400,000 + 5,000 + 100

2. Write the number 3,218,765 in word form.

   Solution: three million, two hundred eighteen thousand, seven hundred sixty-five

3. Write the **value** of digit 8 in 126,387,564.

   Solution: 80,000

4. Find the **place value** of underlined digit.
   a. 2,132,540
   b. 500,632,900
   c. 734,807,923

   Solution:
   a. millions
   b. ten millions
   c. hundred millions

5. A lottery prize of $768,164,500 is awarded to the highest winner in year 2019. Write the number in word and expanded form.

   Solution:
   Seven hundred sixty-eight million, one hundred sixty-four thousand, five hundred
   700,000,000 + 60,000,000 + 8,000,000 + 100,000 + 60,000 + 4,000 + 500

6. Use place value and period names to write 1,923,647 in word form.

   Solution: one million, nine hundred twenty-three thousand, six hundred and forty-seven

7. In just a week, a single army ant queen can lay up to 350,200 eggs. How many eggs can the same queen lay in 6 weeks? Write the number of eggs laid in 6 weeks in standard, word, and expanded form.

   • 2,101,200
   • two million, one hundred one thousand, two hundred
   • 2,000,000 + 100,000 + 1,000 + 200