**Review**

**6,125,426**

* **Number form: 6,125,426**
* **Word form: six million, one hundred twenty-five thousand, four hundred twenty-six**
* **Expanded form: 6,000,000 + 100,000 + 20,000 + 5,000 + 400 + 20 + 6**
* **How many thousands are in the number?**
	+ **There are five thousands**
* **How many hundreds are in the number?**
	+ **There are four hundreds**
* **How many hundred thousands are there?**
	+ **There is one hundred thousand**
* **How many millions are there?**
	+ **There are six millions**

Understanding **numeral periods** and the commas that separate them will help us with learning **Expanded Number Notation**!

**8,347,592**

|  |  |  |
| --- | --- | --- |
| **Millions Period** | **Thousands Period** | **Hundreds Period** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** | **Hundreds** | **Tens** | **Ones** |
|  |  | **8** | **3** | **4** | **7** | **5** | **9** | **2** |

In our last lesson we learned about expanded form that looked like this:

**8,000,000 + 300,000 + 40,000 + 7,000 + 500 + 90 + 2**

In this lesson we’ll break it down even further into expanded notation which looks like this:

**(8x1,000,000) + (3x100,000) + (4x10,000) + (7x1,000) + (5x100) + (9x10) + (2x1)**

**Time to Think**

**Problem 1:**

**426,512**

**Hundred thousands: 4 x 100,000**

**Ten thousands: 2 x 20,000**

**Thousands: 6 x 1,000**

**Hundreds: 5 x 100**

**Tens: 1 x 10**

**Ones: 2 x 1**

**Expanded Form:**

**400,000 + 20,000 + 6,000 + 500 + 10 + 2**

**Expanded Notation:**

**(4 x 100,00) + (1 x 20,000) + (6 x 1,000) + (5 x 100) + (1 x 10) + (2 x 1)**

**Time to Think**

**Problem 2:**

**2,375,014**

**Millions: 2 x 1,000,000**

**Hundred thousands: 3 x 100,000**

**Ten thousands: 7 x 10,000**

**Thousands: 5 x 1,000**

**Hundreds: 0 x 100**

**Tens: 1 x 10**

**Ones: 4 x 1**

**Expanded Form:**

**2,000,000 + 300,000 + 70,000 + 5,000 + 10 + 4**

**Expanded Notation:**

**(2x1,000,000) + (3x100,000) + (7x10,000) + (5x1,000) + (0x100) + (1x10) + (4x1)**

**Time to Think**

**Problem 3:**

**934,251**

**Fill out the place value tentacles with their expanded notation:**



**Write out the full expanded notation below:**

**(9x100,000) + (3x10,000) + (4x1,000) + (2x100) + (5x10) + (1x1)**

**Time to Think**

**Problem 4:**

**8,437,265**

**Fill out the place value baskets with their expanded notation:**

**Write out the expanded form below:**

**8,000,000 + 400,000 + 30,000 + 7,000 + 200 + 60 + 5**

**Write out the full expanded notation below:**

**(8x1,000,000) + (4x100,000) + (3x10,000) + (7x1,000) + (2x100) + (6x10) + (5x1)**

**Activity: You can either allow the students to cut out and prepare this flip book themselves, or pre-cut and prepare them to save time during class.**

1. **Cut out the different sections and glue them into your flip book.**
2. **After gluing on your labels fill out your flip book with all of the different ways to write your number.**

****

|  |
| --- |
| **Number Word** |
| **Standard Form** |
| **Expanded Form** |
| **Expanded Notation** |