**Math Unit Organizer**

**Unit 1: Numbers to 1000**

**2nd Grade Math**

**Summary:**

Students will review numbers to one hundred that were taught in kindergarten and first grade. Students will build upon prior knowledge and be able to read, write, and compare numbers and place values up to 1,000.

**Previous Unit:**

N/A

**Next Unit:**

Addition and Subtraction

**The Big Idea:** The base-10 number system has place values: ones, tens, hundreds, and thousands.

**Singapore Content:**

1. Numbers to 1000
2. Looking Back
3. Relate 2-digit numbers to tens and 1s.
4. Read and write 2-digit numbers and corresponding number-words.
5. Count on by 1, 2, 10, or 20 to a number less than 100.
6. Count back by 1, 2, 10, or 20 to a number less than 100.
7. Comparing Numbers
8. Recognize and use the symbol “>” for greater than and the symbol “<” for less than.
9. Compare and order numbers less than 100.
10. Hundreds, Tens, and Ones
11. Understand the hundreds place.
12. Relate 2-digit numbers to hundreds, tens, and ones.
13. Relate hundreds, tens, and ones to currency bills.
14. Relate 3-digit numbers to number discs.
15. Read and write 3-digit numbers and corresponding number-words.
16. Compare and order numbers less than 1000.
17. Count up by 1’s, 10’s or 100’s.
18. Count back by 1’s, 10’s, or 100’s.
19. Evaluate number patterns.

**Core Knowledge Connections:**

* Write numbers to 1,000
* Read and write words for numbers from one to one-hundred
* Order and compare numbers to 1,000 using the greater than, less than, and equals signs
* Recognize place value: ones, tens, hundreds, thousands
* Write numbers in expanded form
* Given a number, identify one more or one less; ten more or ten less

**Colorado Academic Standards in Mathematics and The Common Core State Standards for Mathematics:**

|  |  |
| --- | --- |
| **Content Area: Mathematics** | |
| **Standard: 1. Number Sense, Properties, and Operations** | |
| **Prepared Graduates:**   * Understand the structure and properties of our number system. At their most basic level numbers are abstract symbols that represent real-world quantities | |
|  | |
| **Grade Level Expectation: Second Grade** |
| **Concepts and skills students master:** |
| 1. The whole number system describes place value relationships through 1,000 and forms the foundation for efficient algorithms |

*Write numbers to 1,000.*

1. Use place value to read, write, count, compare, and represent numbers. (CCSS: 2.NBT)

i. Represent the digits of a three-digit number as hundreds, tens, and ones.[[1]](#endnote-1) (CCSS:2.NBT.1)

*Read and write words for numbers*

a. Use place value to read, write, count, compare, and represent numbers. (CCSS: 2.NBT)

iv. Read and write numbers to 1000 using base-ten numerals, number names, and expanded form. (CCSS: 2.NBT.3)

*Order and compare numbers to 1,000*

a. Use place value to read, write, count, compare, and represent numbers. (CCSS: 2.NBT)

v. Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons. (CCSS: 2.NBT.4)

*Recognize place value: ones, tens, hundreds, thousands.*

a. Use place value to read, write, count, compare, and represent numbers. (CCSS: 2.NBT)

i. Represent the digits of a three-digit number as hundreds, tens, and ones.[[2]](#endnote-2) (CCSS: 2.NBT.1)

*Given a number, identify one more**and one less; ten more and ten less.*

a. Use place value to read, write, count, compare, and represent numbers. (CCSS: 2.NBT)

iii.Skip-count by 5s, 10s, and 100s. (CCSS: 2.NBT.2)

**Prior Knowledge:**

**Kindergarten**

* Count: from 1-31, backward from 10
* Write numbers 1-31
* Given a number, identify one more, one less

**1st Grade**

* Write numbers 0-100
* Count from 0-100
* Count forward and backwards
* Recognize place value: ones, tens, hundreds
* Identify one more and one less; ten more and ten less
* Compare using the greater than, less than, and equals signs

**What Students Will Learn in Future Grades:**

**3rd Grade**

* Read and write numbers (in digits and words) up to six digits
* Recognize place value up to hundred thousands
* Order and compare numbers to 999,999 using the greater than, less than, and equals signs

**4th Grade**

* Read and write numbers (in digits and words) up to nine digits
* Recognize place value up to hundred millions
* order and compare numbers 999,999,999 using the greater than, less than, and equals signs

**5th Grade**

* Read and write numbers (in digits and words) up to the billions
* Recognize place value up to billions
* Order and compare numbers 999,999,999 using the greater than, less than, and equals signs

**6th Grade**

* Read and recognize numbers (in digits and words) up to the trillions
* Recognize place value up to the hundred-billions
* Integers: Compare integers using the greater than, less than, and equals signs

1. [↑](#endnote-ref-1)
2. [↑](#endnote-ref-2)