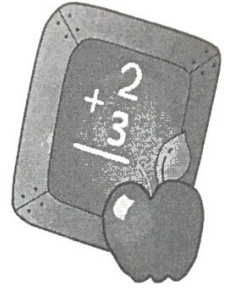


Dear Parents,

We are so excited about being a part of your child's future. Please feel free to ask questions and let us know of any concerns you may have about your child's mathematics instruction throughout their 4th grade year. Over the next four weeks, your child's class will be taking a look at Place Value. This will be an exciting and important time because so much of what we will learn this year is based on place value and number sense. The lessons will be designed around the Georgia Standards of Excellence for 4th grade mathematics. Here is what we will be focusing on during this unit:



### Goals for 4th Grade Mathematicians

- 1) I can recognize in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right (4.NBT.1).
- 2) I can read and write multi-digit whole numbers using base-ten numerals (standard form), number names (word form), and expanded form (4.NBT.2).
- 3) I can compare two, multi-digit numbers using appropriate symbols (4.NBT.3).
- 4) I can explore various ways to break down multi-digit numbers. Ex: 285 is '28 tens + 5 ones' (4.NBT.3)
- 5) I can round multi-digit whole numbers to any place using place value (4.NBT.3).
- 6) I can add and subtract multi-digit whole numbers using the standard algorithm (4.NBT.4).

How will we test that our goals have been met at the end of the unit?

- 1) Performance-Based Assessment where students will work through a situational problem using the skills taught throughout the chapter.
- 2) Chapter Assessment

Your child will have a great time participating and learning from various hands on activities and experiences that will further develop their understanding of place value. We encourage you to find real world situations where place value skills are applied and can be discussed (How is \$10 different from \$100? Why does the place of the 1 make such a difference?). Homework will be given **nightly** to reinforce concepts being taught.

Take some time to check out these helpful websites that are great for practice and reinforcement of 4th grade math concepts: Khan Academy, mathplayground.com, funbrain.com, aplusmath.com, coolmath.com, and mathgametime.com.

Please check the ULES website often for additional resources such as websites and video clips as they will be added throughout the year. Thank you for all you do to help your child become successful. Remember, you are your child's first teacher.

Sincerely,  
ULES 4th Grade Math Teachers

Place Value Strategies

**Place Value Chart**

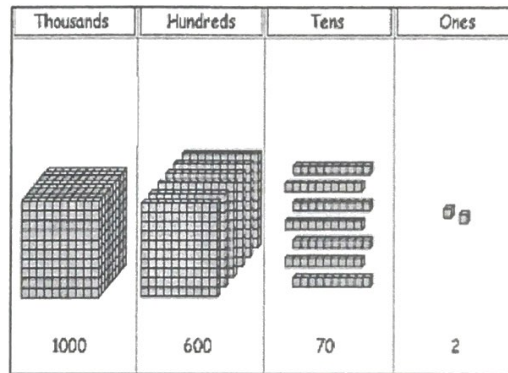
The value of a digit depending on its place in a number.

Millions Period			Thousands Period			Ones Period		
Millions			Thousands			Ones		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones
6	5	0	0	8	4	9	7	0

**Base Ten Blocks**

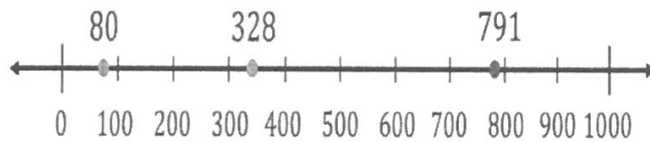
A way to represent values using base ten blocks.

**Example:** Represent the number 1,672.



**Rounding**

Using a Number Line



**Expanded Form**

$$900,000 + 70,000 + 5,000 + 400 + 20 + 9$$

To write a number in expanded form, students tell the value of each place.

**Example:**

The 7 is in the ten thousands place, so multiply  $7 \times 10,000 = 70,000$

70,000 is the value of the 7 in the ten thousands place.

**Rounding Chart**

0	1	2	3	4	5	6	7	8	9	10
10	11	12	13	14	15	16	17	18	19	20
20	21	22	23	24	25	26	27	28	29	30
30	31	32	33	34	35	36	37	38	39	40
40	41	42	43	44	45	46	47	48	49	50
50	51	52	53	54	55	56	57	58	59	60
60	61	62	63	64	65	66	67	68	69	70
70	71	72	73	74	75	76	77	78	79	80
80	81	82	83	84	85	86	87	88	89	90
90	91	92	93	94	95	96	97	98	99	100

Stay the Same      Round Up

\*Please note the list above highlights the main skills to be assessed. Teachers may include additional content to meet the needs of their students.