

Welcome back to school! In an effort to keep parents and guardians informed of the expectations and content being covered in math class this year, this informational handout will be provided for each chapter. Its intent is to assist in guiding you in ways to support your child in deepening their mathematical understanding.



Scan the QR code to check out teaching strategies for this chapter.

In each chapter we will spend time reviewing material taught in prior grades as it relates to the standards being taught in fourth grade. Our goal is to keep a balance of skill based learning along with enhancing our student's ability to problem solve and think conceptually.

Review Material from Prior Grades
<ol style="list-style-type: none"> <li>1) Place value of three-digit numbers. (2.NBT.1)</li> <li>2) Read and write numbers to 1,000 using base-ten numerals, number names, and expanded form. (2.NBT.3)</li> <li>3) Compare numbers to 1,000 using <math>&gt;</math>, <math>=</math>, and <math>&lt;</math>. (2.NBT.4)</li> <li>4) Round whole numbers to the nearest 10 or 100. (3.NBT.1)</li> </ol>
New Material for 4 <sup>th</sup> Grade
<ol style="list-style-type: none"> <li>1) I can recognize that 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)</li> <li>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)</li> <li>3) I can compare two multi-digit numbers using <math>&lt;</math>, <math>&gt;</math>, <math>=</math> symbols. (4.NBT.3)</li> <li>4) I can round multi-digit whole numbers to any place using place value. (4.NBT.3)</li> </ol>
End of Chapter Expectations
<ol style="list-style-type: none"> <li>1) Chapter Assessment</li> </ol>

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

Place Value Strategies

**Place Value Chart**

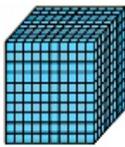
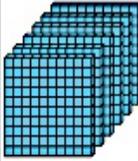
The value of a digit depending on its place in a number.

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**

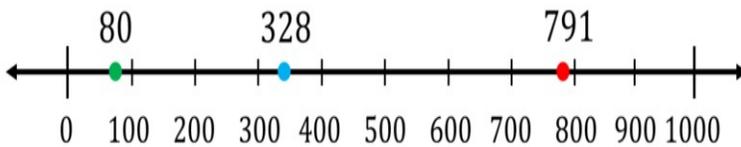
A way to represent values using base ten blocks.

Example: Represent the number 1,672.

Thousands	Hundreds	Tens	Ones
			
1000	600	70	2

**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.

**Rounding Chart**

100 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 →

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.

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