



## Elementary Mathematics Grade 3rd

### 1st 6 Weeks - Numeration; Addition Number Sense; Adding Whole Numbers to Solve Problems; Subtraction Number Sense

TEKS	Essential Understanding	Vocabulary	Resources	Manipulatives
<p><b>3.1 The student uses place value to communicate about increasingly large whole numbers in verbal and written form, including money. The student is expected to:</b></p> <p>(A) use place value to read, write (in symbols and words), and describe the value of whole numbers through 999,999;</p> <p>(B) use place value to compare and order whole numbers through 9,999; and</p> <p>(C) determine the value of a collection of coins and bills.</p> <p><b>3.3 The student adds and subtracts to solve meaningful problems involving whole numbers. The student is expected to:</b></p> <p>(A) model addition and subtraction using pictures, words, and numbers; and</p> <p>(B) select addition or subtraction and use the operation to solve problems involving whole numbers through 999.</p> <p><b>3.5 The student estimates to determine reasonable results. The student is expected to:</b></p> <p>(A) round whole numbers to the nearest ten or hundred to approximate reasonable results in problem situations; and</p> <p>(B) use strategies including rounding and compatible numbers to estimate solutions to addition and subtraction problems.</p>	<p>Our number system is based on groups of ten. Whenever we get 10 in one place value, we move to the next greater place.</p> <p>To write money amounts, we can use a dollar sign and decimal point.</p> <p>Techniques for doing addition &amp; subtraction calculations mentally involve changing the numbers or the expression so the calculation is easy to do.</p> <p>Rounding is a process for finding the multiple of 10, 100, etc. closest to a given number.</p> <p>Rounding is one way to estimate a sum.</p>	<p>digits place value standard form expanded form word form period compare order dollar sign decimal point</p> <p>Commutative (Order) Property of Addition</p> <p>Identify (Zero) Property of addition</p> <p>Associative (Grouping) Property of Addition</p> <p>addends round estimate sum compatible numbers difference</p>	<p><u>Joint Usage</u></p> <p><u>enVision Math</u> <b>Topic 1: Numeration</b> <u>Investigations</u> Unit 1: Trading Stickers, Combining Coins Unit 3: Collections and Travel Stories Unit 8: How Many Hundreds? How Many Miles? -----</p> <p><u>enVision Math</u> Topic 2: Addition Number Sense <u>Investigations</u> Unit 1: Trading Stickers, Combining Coins Unit 3: Collections and Travel Stories -----</p> <p><u>enVision Math</u> Topic 3: Adding Whole Numbers to Solve Problems <u>Investigations</u> Unit 1: Trading Stickers, Combining Coins Unit 3: Collections and Travel Stories Unit 8: How Many Hundreds? How Many Miles? -----</p> <p><u>enVision Math</u> Topic 4: Subtraction Number Sense <u>Investigations</u> Unit 1: Trading Stickers, Combining Coins Unit 2: Surveys and Line Plots Unit 3: Collections and Travel Stories</p>	<p>place value units rods flats blocks coins bills counters hundred chart tape colored chalk</p>

On-Going Practices/TEKS 3.14 A/B/C/D, 3.15A/B, 3.16A/B

3<sup>rd</sup> graders must be able to solve problems of everyday situations; explain and record observations; make generalizations and justify answers.