

Whole Number/Number Sense Learning Progression

	Grade K	Grade 1	Grade 2	Grade 3	Grade 4
Counting/Cardinality/Comparing/Place Value	<p>K.4 a) count to 100 and from 10;</p> <p>K.4c) count by 5/10 to 100</p> <p>K.2 a) tell how many in a set by counting orally; b) write numeral; c) select numeral</p> <p>K.4b) ID one more/less than a number;</p> <p>K.1 given two sets ID/describe one set as having more/ fewer/same number of members/1-1 (compare two sets)</p> <p>K.3 ordinal numbers 1st - 10th</p>	<p>1.1 a) count/write numbers to 100;</p> <p>1.2 count by 1/2/5/10 to 100 and back by 1 from 30</p> <p>1.1b) group up to 100 objects into tens/ones and write numeral - place value</p> <p>1.4 a) select order of magnitude from three quantities; b) explain reasonableness</p>	<p>2.4 a) count by 2/5/10 to 100, starting at multiples of 2/5/10;</p> <p>2.4b) count backward by 10 from 100; c) recognize even/odd numbers</p> <p>2.1 a) read/write/ID place value in 3-digit numeral;</p> <p>2.1c) compare two whole numbers 0-999 with symbols/words;</p> <p>2.1b) round 2-digit numbers to nearest ten;</p> <p>2.2 a) ID ordinal positions w/numbers 1st - 20th; 2.2b) write ordinal numbers</p>	<p>3.1 a) read/write 6-digit numerals, ID place value/value of each digit;</p> <p>3.1c) compare two whole numbers 0 - 9,999 with symbols/words;</p> <p>3.1b) round whole numbers 9,999 or less to nearest 10/100/1000;</p>	<p>4.1 a) ID orally/in writing place value for each digit in a whole number through millions;</p> <p>4.1b) compare two whole numbers through millions w/ symbols;</p> <p>4.1c) round whole numbers through millions to nearest 10/100/1,000/10,000/100,000</p>
Operations with Whole Numbers	<p>K.6 model add/sub whole numbers up to 10</p>	<p>1.5 recall add/sub facts w/ sums to 18 or less</p> <p>1.6 create/solve one-step story/picture problems using add/sub facts w/ sums to 18 or less</p>	<p>2.5 recall add/sub facts w/sums to 20 or less</p> <p>2.9 recognize/describe related facts and inverse relationship between add/sub</p> <p>2.6 given two whole numbers whose sum is 99 or less, a) estimate the sum</p> <p>2.7 given two whole numbers each 99 or less, a) estimate the difference</p> <p>2.8 create/solve one-/two-step add/sub problems w/ data from tables and picture/bar graphs</p>	<p>3.4 estimate/solve single and multi-step problems involving sum/diff of two whole numbers 9,999 or less</p> <p>3.2 recognize/use inverse relationships between add/sub and mult/div to complete fact sentences/solve problems</p> <p>3.5 recall mult/div facts through twelves table</p> <p>3.6 represent mult/div using area/set/number line models, create/solve problems involving mult of two whole numbers 99 or less and 5 or less</p>	<p>4.4 a) estimate sum/diff/product/quotients of whole numbers</p> <p>4.4 b) add/sub/mult whole numbers; c) divide whole numbers</p> <p>4.4 d) solve single-step and multistep add/sub/mult problems with whole numbers</p>