

Knox County Schools Mathematics Curriculum
Unit 1: Place Value of Whole Numbers & Decimals

5th Grade Planning Guide
Time: About 2-3 weeks

Knox County Key	Knox County Performance Objectives/ <i>State Assessed Performance Indicators</i>	State Blueprint Key/SPI #	Lessons	Text Pages
A	1. Read/write numbers (include expanded and word form); identify place and value of digits from millions to thousandths <i>Read and write numbers from millions to thousandths; represent whole numbers in expanded form; identify the place value of a given digit from millions to thousandths</i>	A 5.1.1, 5.1.3, 5.1.5	1.1	4-5, TMS*
A	2. Order whole numbers; compare two quantities (use >, <, =) <i>Represent, compare, and order whole numbers</i>	A 5.1.6	1.4	10-12
A	3. Read/write decimals through thousandths; identify place value to thousandths <i>Read and write numbers from millions to thousandths; represent two-place decimals in expanded form; identify place value to thousandths</i>	A 5.1.1, 5.1.3, 5.1.5	1.5	14-15
A	4. Identify/write equivalent decimals through thousandths <i>Generate equivalent forms of commonly used decimals</i>	A 5.1.13	1.7	20-22
A	5. Order and compare decimals through thousandths (use symbols <, >, =) <i>Represent, compare, and order decimals to thousandths</i>	A 5.1.6	1.7	20-22, 31
A	6. Round decimals to the nearest whole number	D	1.7	20-22
A	7. Estimate/justify the most reasonable sum or difference <i>Use estimation to determine a reasonable solution to a whole number computation</i>	A 5.1.7	2.2	32-33
A	8. Add/subtract whole numbers (up to 5-digits) <i>Add and subtract whole numbers</i>	A 5.1.4	2.1, 2.3, 2.4	28-30, 34-39
A	9. Write/solve an equation with one variable <i>Solve open sentences involving addition and subtraction; select an equation that represents a given mathematical relationship</i>	A 5.2.5, 5.2.7	2.5	40-41
A	10. Solve one or two-step real-world problems with whole numbers and decimals using open sentences <i>Solve one and two-step real world problems involving addition and subtraction of whole numbers and decimals; connect open sentences to real-world situations</i>	A 5.1.9	1.6, 2.6	16-18, 42

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<p>Essential Vocabulary: Refer to Houghton Mifflin, <i>Planning the Lesson</i> for vocabulary Writing Prompts: Refer to <i>Keeping a Journal</i> and <i>Writing Prompts</i> in the <i>Quick Check Options</i></p>	<p>Advanced Objectives: 1. Read/write numbers through hundred billions in expanded form using exponential notation (vice versa) 1.2, 1.3 2. Read/write Roman Numerals p. 23 3. Use calculators to solve real-world problems p. 54</p>
<p>State Accomplishments • <i>Order and compare whole numbers and decimals using models (e.g., number lines, base ten blocks, Venn diagrams, and hundreds boards). D</i> • <i>Demonstrate knowledge and understanding of grade level mathematical terms. D</i></p> <p>Literature Resources: <u>How Much is a Million</u>, by, David Schwartz <u>G is for Google</u>, by, David Schwartz <u>On Beyond a Million</u>, by David Schwartz</p> <p>Commercial Materials/manipulatives: Lesson transparencies Base ten blocks Bill Set Coin Set</p>	<p>Technology:</p> <ul style="list-style-type: none"> • <i>Ways to Assess Customized Spiral Review and Test Generator CD</i> • <i>Lesson Planner CD-ROM</i> • <i>Ways to Success Intervention C- ROM</i> • <i>Math Tracks CD-ROM</i> • www.eduplace.com/math/mw • <i>Houghton Mifflin Math eBook CD-ROM</i> • <i>eManipulatives</i> • <i>eGames</i> • <i>TI-15 calculator</i> • <u><i>Texas Instruments Calculator Teachers' Guide</i></u> <p>Assessment: Knox County Schools Mathematics, Grade 5, Unit 1 Test</p> <p>Available in Houghton Mifflin Student Text:</p> <ul style="list-style-type: none"> ▪ Chapter Pretest ▪ Quick Checks ▪ Chapter Reviews ▪ Chapter Tests <p>Available in Houghton Mifflin Assessment:</p> <ul style="list-style-type: none"> ▪ Unit Tests