

Knox County Schools Mathematics Curriculum
Unit 8: Multiplication and Division by 1-Digit Numbers

3rd Grade Planning Guide
Time: About 2 weeks

Knox County Key	Knox County Performance Objectives/ <i>State Assessed Performance Indicators</i>	Blueprint Key SPI #	Lessons	Text Pages
A	1. Multiply 2-digit numbers by 1-digit numbers		21.2, 21.4	582-583, 588-591
I	Multiply 3-digit numbers by 1-digit numbers		21.5 21.7	592-593, 598-601
A	2. Multiply money amounts by a whole number		21.8	602-604
I	Solve 1-digit division problems with remainders		22.2	612-615
	Give Facts Test E at the end of the unit			

Essential Vocabulary:
Refer to Houghton Mifflin, *Planning The Lesson* for vocabulary

Writing Prompts:
Refer to *Keeping A Journal* and *Writing Prompts* in the *Quick Check Options*

Advanced Objectives:

1. Place the first digit in a quotient 22.7
2. Divide with money 22.8

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State Accomplishments

- _ *Relate skip counting to multiplication. I*
- _ *Demonstrate multiplication using repeated addition*
- _ *Write/identify number sentences that describe situations involving multiplication D*
- _ *Relate adding doubles to multiplying by 2. I*
- _ *Use known mult. facts to determine related product. I*
- _ *Recognize/ complete patterns of numbers. D*
- _ *Describe a growing pattern of numbers.D*
- _ *Show/represent/solve open sentences w/multiplication. D*
- _ *Demonstrate understanding of grade level terms. D*
- _ *Use commutative property of multiplication. D*
- _ *Apply zero and identity properties of mult. I*
- _ *Use arrays to show commutative property of mult. I*
- _ *Describe quantitative change. D*

Literature Resources:

One Hungry Monster: A Counting Book in Rhyme by S.H. O'Keefe
Two ways to Count to Ten by Ruby Dee
The Cricket in Times Square by George Seden
Amanda Bean's Amazing Dream by Cindy Neuschwand
One Hundred Hungry Ants by E.J. Princes
Too Many Cooks by Andrea Buckelss
The King's Chessboard by David Burch
Knock! Knock! By Jackie Carter
Anno's Mysterious Multiplying Jar by Mitsumasa Anno
Henry and the Boy Who Thought Numbers Were Fleas by Marjorie Kaplan
Math By All Means by Marilyn Burns

Technology:

<http://www.wiknowthat.com/comL3?Area=L2Math>
<http://nlvm.usa.edu/en/nav/vlibrary.html>
<http://www.aplusmath.com/Games/index.html>
<http://www.k111.k12.ill.us/king/math.html#---->
<http://www.amblesideprimary.com.ambleweb/mentalmaths.testtest.html>

Commercial Materials/manipulatives:

Counters	Hundred chart
Color tiles	Base ten blocks
Unifix cubes	Number lines

Assessment:

Knox County Mathematics, Grade 3, Unit 8 test

Text:

Houghton Mifflin Math, Grade 3

Available in Houghton Mifflin Student Text:

- Chapter Pretest
- Quick Checks
- Chapter Reviews
- Chapter Tests

Available in Houghton Mifflin Assessment Book

- Unit Tests