

EnVision Math Unit Lesson Plan			Common Core Standards: 4.NBT.6; 4.NBT.1; 4.NBT.5; 4.OA.3	
Grade Level: Fourth Grade		Topic 10: Developing Fluency: Dividing by 1-Digit Divisors		
Instructional Emphasis: Number and Operations in Base Ten			Essential Questions: <ul style="list-style-type: none"><li>How can repeated subtraction help you divide? (10-1)</li><li>How can recording division as repeated subtraction help you divide? (10-2)</li><li>How can place value help you divide? (10-3)</li><li>What is a common way to record division? (10-4)</li><li>How can you divide numbers in the hundreds? (10-5)</li><li>What do you do when there are not enough hundreds to divide? (10-6)</li><li>How can you estimate larger quotients? (10-7)</li><li>What hidden questions lie within a multiple-step problem? (10-8)</li></ul>	
Big Ideas: <ul style="list-style-type: none"><li>10-1: Repeated subtraction situations can be modeled and solved using division.</li><li>10-2: Repeated subtraction situations can be solved using a division algorithm different from the standard algorithm.</li><li>10-3: The sharing interpretation of division can be used to model the standard division algorithm.</li><li>10-4, 10-5, 10-7: The standard division algorithm breaks the calculation into simpler calculations using basic facts, place value, the relationship between multiplication and division, and estimation.</li><li>10-6: The relationship between multiplication, division, and estimation can help determine the place value of the largest digit in a quotient.</li><li>10-8: Some problems can be solved by first finding and solving a sub problem(s) and then using that answer(s) to solve the original problem.</li></ul>				
Lesson 1: Using Objects to Divide: Division as Repeated Subtraction	Lesson 2: Division as Repeated Subtraction	Lesson 3: Using Objects to Divide: Division as Sharing	Lesson 4: Dividing 2-Digit by 1-Digit Numbers	Lesson 5: Dividing 3-Digit by 1-Digit Numbers
Vocabulary:  Objective: Students will use repeated subtraction to model division.  Materials: Two-Color Counters (Teaching Tool 12)  Content Reviewed: Addition; Subtraction; Comparing and Ordering Numbers; Division; Multiple-Step Problem  Standard: 4.NBT.6	Vocabulary:  Objective: Students will record division as repeated subtraction.  Materials:  Content Reviewed: Division; Equal Parts of Regions; Comparing and Ordering Whole Numbers; Subtraction; Multiplication Facts  Standard: 4.NBT.6	Vocabulary:  Objective: Students will use place value to understand the algorithm of long division.  Materials: Place-Value Blocks (Teaching Tool 8) (4 Tens Rods and 13 Unit Cubes per Pair) Blank Recording Sheet (per student)  Content Reviewed: Multiplication; Rounding Whole Numbers  Standard: 4.NBT.6; 4.NBT.1	Vocabulary:  Objective: Students will use the standard algorithm to divide a two-digit number by a one-digit number.  Materials:  Content Reviewed: Remainders; Multiplication; Division; Multi-Step Problems; Estimate Division  Standard: 4.NBT.6	Vocabulary:  Objective: Students will use the standard algorithm to divide 3-digit numbers by 1-digit numbers.  Materials:  Content Reviewed: Multiplication; Interpret Remainder; Multi-Step Problems; Division; Rounding Whole Numbers  Standard: 4.NBT.6; 4.NBT.5
Assessment	Assessment	Assessment	Assessment	Assessment

Topic 10 Introduction Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework
<b>Lesson 6:</b> Deciding Where to Start Dividing	<b>Lesson 7:</b> Dividing 4-Digit by 1-Digit Numbers	<b>Lesson 8:</b> Problem Solving: Multiple-Step Problems		
<b>Vocabulary:</b>  <b>Objective:</b> Students will use the standard algorithm to divide 3-digit numbers by 1-digit numbers and properly decide where to begin dividing.  <b>Materials:</b> Place-Value Blocks (Teaching Tool 8) (2 Hundreds, 20 Tens and 40 Ones per pair)  <b>Content Reviewed:</b> Problem Solving; Division; Multiplication; Multi-Step Problems; Problem Solving  <b>Standard:</b> 4.NBT.6	<b>Vocabulary:</b>  <b>Objective:</b> Students will estimate and find quotients for 4-digit dividends and 1-digit divisors.  <b>Materials:</b>  <b>Content Reviewed:</b> Multiplication; Fact Families; Multiplication Facts; Fraction of a Set; Addition and Subtraction  <b>Standard:</b> 4.NBT.6	<b>Vocabulary:</b>  <b>Objective:</b> Students will identify the hidden question in a multi-step problem. They use the answer to that hidden question to solve the original problem.  <b>Materials:</b>  <b>Content Reviewed:</b> Multiplication; Problem Solving; Addition; Rounding; Write Numbers; Division  <b>Standard:</b> 4.OA.3; 4.NBT.5		
<b>Assessment</b>	<b>Assessment</b>	<b>Assessment</b>		
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Center Activity Reteaching, Practice, and Enrichment Homework	Center Activity Reteaching, Practice, and Enrichment Homework	Center Activity Reteaching, Practice, and Enrichment Homework Topic 10 Assessment		
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