

EnVision Math Unit Lesson Plan			Common Core Standards: 4.NBT.6; 4.NBT.5; 4.OA.2; 4.OA.3	
Grade Level: Fourth Grade		Topic 9: Number Sense: Dividing by 1-Digit Divisors		
Instructional Emphasis: Number and Operations in Base Ten			Essential Questions: <ul style="list-style-type: none">How can you use place value and patterns to help you divide mentally? (9-1)When and how do you estimate quotients to solve problems? (9-2)How do you estimate quotients using place value? (9-3)What does it mean when you divide and some are left over? (9-4)How can you decide when to multiply and when to divide to solve a problem? (9-5)How can a bar diagram help you solve a division problem? (9-6)	
Big Ideas: <ul style="list-style-type: none">9-1: Basic facts and place-value patterns can be used to divide multiples of 10 and 100 by one-digit numbers.9-2: Substituting compatibles numbers is an efficient technique for estimating quotients.9-3: Mentally multiplying by different powers of ten will help you arrive at an estimate for a quotient of a multi-digit division problem.9-4: The remainder when dividing must be less than the divisor. The nature of the question asked determines how to interpret and use the remainder.9-5: Some real-world problems involving joining equal groups, separating equal groups, or comparison can be solved using multiplication; others can be solved using division.9-6: Information in a problem can often be shown using a picture or diagram and used to understand and solve the problem. Some problems can be solved by writing and completing a number sentence or equation.				
Lesson 1: Using Mental Math to Divide	Lesson 2: Estimating Quotients	Lesson 3: Estimating Quotients for Greater Dividends	Lesson 4: Dividing with Remainders	Lesson 5: Multiplication and Division Stories
Vocabulary: Objective: Students will use basic facts and patterns of zeros to solve division problems with 3-digit dividends and 1-digit divisors. Materials: Content Reviewed: Subtraction; Fact Families; Addition; Multiplication; Division Standard: 4.NBT.6; 4.OA.3	Vocabulary: Objective: Students will use compatible numbers and rounding to estimate quotients. Materials: Content Reviewed: Division; Equations; Problem Solving; Multiplication; Fact Families Standard: 4.NBT.6; 4.OA.3	Vocabulary: Objective: Students will estimate quotients of multi-digit division problems using multiplication facts and place-value concepts. Materials: Content Reviewed: Multiplication; Division; Make a List Standard: 4.NBT.6; 4.OA.3	Vocabulary: remainder Objective: Students will divide whole numbers by 1-digit divisors resulting in quotients with remainders. Materials: Two-Color Counters (Teaching Tool 12) (14 per pair) Content Reviewed: Division; Number Sentences; Multiplication Standard: 4.NBT.6	Vocabulary: Objective: Students use words and models to represent multiplication and division problems accurately. Materials: Content Reviewed: Division; Multiplication; Place Value Standard: 4.NBT.6; 4.NBT.5
Assessment	Assessment	Assessment	Assessment	Assessment
Topic 9 Introduction	Daily Common Core Review	Daily Common Core Review	Daily Common Core Review	Daily Common Core Review

Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework	Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework
Lesson 6: Problem Solving: Draw a Picture and Write and Equation				
Vocabulary: Objective: Students will draw pictures and write related number sentences to solve problems. Materials: Content Reviewed: Equivalent Fractions; Multiplication; Division; Subtraction; Estimate Sums Standard: 4.NBT.6; 4.OA.2; 4.OA.3				
Assessment				
Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master Center Activity Reteaching, Practice, and Enrichment Homework Topic 9 Assessment				