

EnVision Math Unit Lesson Plan			Common Core Standards: 4.NF.1; 4.NF.2; 4.OA.4; 4.OA.5	
Grade Level: Fourth Grade		Topic 11: Fraction Equivalence and Ordering		
Instructional Emphasis: Number and Operations-Fractions			Essential Questions:	
Big Ideas: <ul style="list-style-type: none"> 11-1: Every counting number is divisible by 1 and itself, and some counting numbers are also divisible by other numbers. 11-2: Some counting numbers have exactly two factors; others have more than two. 11-3: The product of any nonzero number and any other nonzero number is divisible by each number and is called a multiple of each number 11-4, 11-5: The same fractional amount can be represented by an infinite set of different by equivalent fractions. Equivalent fractions are found by multiplying or dividing the numerator and denominator by the same nonzero number. 11-6: If two fractions have the same denominator, the fraction with the greater number is the greater fraction. If two fractions have the same numerator, the fraction with lesser denominator is the greater fraction. 11-7: Ordering 3 or more numbers is similar to comparing 2 numbers because each number must be compared to the other numbers. 11-8: Mathematical explanations can be given using words, pictures, numbers or symbols. A good explanation should be correct, simple, complete, and easy to understand. 			<ul style="list-style-type: none"> How can you use multiplication to find all the factors of a number? (11-1) How can you sort numbers by how many factors they have? (11-2) How can you find the multiples of a number? (11-3) How can you find two fractions that name the same part of a whole? (11-4) What does it mean for two fractions to be equivalent? (11-5) How can you use benchmark fractions to compare fractions? (11-6) How can you use equivalent fractions to compare and order fractions? (11-7) How do you write a good math explanation? (11-8) 	
Lesson 1: Factors	Lesson 2: Prime and Composite Numbers	Lesson 3: Multiples	Lesson 4: Equivalent Fractions	Lesson 5: Number Lines and Equivalent Fractions
Vocabulary: Objective: Students will learn how to factor whole numbers. Materials: Centimeter Grid Paper (Teaching Tool 4) Content Reviewed: Multiplication; Division; Ordering Whole Numbers Standard: 4.OA.4; 4.OA.5	Vocabulary: prime number; composite number Objective: Students will learn to identify prime and composite numbers. Materials: Color Tiles Content Reviewed: Division; Addition; Multiplication; Rounding Whole Numbers; Factors; Combinations; Evaluating Expressions Standard:	Vocabulary: Objective: Students will find the multiples of a number. Materials: Content Reviewed: Geometry; Division; Work Backward; Factors; Number Patterns Standard: 4.OA.4; 4.OA.5	Vocabulary: fraction; equivalent fractions; numerator; denominator Objective: Students will use models and computation to show equivalent fractions. Materials: Fraction Models: Strips (Teaching Tool 15) Content Reviewed: Word Form; Subtraction; Division; Multiple-Step Problems; Make a Table Standard:	Vocabulary: Objective: Students use a number line to identify and write equivalent fractions. Materials: Strips of Paper, Number Lines (Teaching Tool 14) Content Reviewed: Equivalent Fractions; Identify Fractions; Geometry; Write Large Numbers; Round Whole Numbers Standard: 4.NF.1; 4.NF.2

	4.OA.4		4.NF.1; 4.NF.2	
Assessment	Assessment	Assessment	Assessment	Assessment
Topic 11 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
Lesson 6: Comparing Fractions	Lesson 7: Ordering Fractions	Lesson 8: Problem Solving: Writing to Explain		
Vocabulary: benchmark fractions Objective: Students will use benchmark fractions with unlike denominators. Materials: Fraction Models: Strips (Teaching Tool 15) Content Reviewed: Fraction Models; Addition; Division; Estimation; Multiples; Division Standard: 4.NF.2	Vocabulary: Objective: Students will use common denominators and equivalent fractions to order fractions with unlike denominators. Materials: Fraction Models: Strips (Teaching Tool 15) Content Reviewed: Place Value; Comparing Fractions; Equivalent Fractions; Fact Families; Extra Information; Subtraction Standard: 4.NF.2	Vocabulary: Objective: Students will write to explain whether an answer is correct or not. Materials: Content Reviewed: Number Sentences; Number Lines; Division; Fraction Models; Fractions; Compare Fractions; Estimation; Rounding Standard: 4.NF.2; 4.NF.1		
Assessment	Assessment	Assessment		
Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master	Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master	Daily Common Core Review Problem-Based Interactive Learning Guided Practice Independent Practice Problem Solving Quick Check Master		

Center Activity Reteaching, Practice, and Enrichment Homework	Center Activity Reteaching, Practice, and Enrichment Homework	Center Activity Reteaching, Practice, and Enrichment Homework Topic 11 Assessment		
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