

Central R-III Curriculum Form

Grade: 4	Subject: Mathematics		
	Unit of Instruction: Operations in Fractions		
Pacing: 3 weeks	MLS Code: 4.NF.B	Priority Standard: #8 Extend Understanding of Operations on Whole Numbers to Fraction Operations	
		Supporting Standards: 4.NF.B.4; 4.NF.B.5; 4.NF.B.6 ; 4.NF.B.7, 4.NF.B.8	
Learning Activities: Chapter 9: Operations with Fractions Introduction Video Book: Life In The United States (A Real-World Problem Solving Using Math & Social Studies) Lesson 2: Add Like Fractions • Use Pages 567-572 • Edpuzzle.com • My Math Video Lesson 4: Subtract Like Fractions • Use Pages 579-584 • My Math Video • Virtual Lesson My Math • Edpuzzle.com Check My Progress (Optional) • Use Pages 585-586 Lesson 5: Problem-Solving Investigation: Work Backward (Optional) • Use Pages 587-592 • Virtual Lesson My Math Lesson 6: Add Mixed Numbers • Use Pages 593- 598 • Edpuzzle.com • My Math Video • Virtual Lesson My Math Lesson 7: Subtract Mixed Numbers • Use Pages 599-604 • Edpuzzle.com • Virtual Lesson My Math Check My Progress (Optional) • Use Pages 605-606		Resources: • Problem of the Day-Review Question# 76 • Common Core Quick Check • Personal Tutor • Virtual Manipulatives • Interactive Notebook over Add/Sub. Fractions & Multiplying Fractions • Virtual Lessons • Enrichment Activities • Intervention Activities • Fraction Tiles • Fraction Circles • Protractors Crosswalk Coach Plus Book: • Lesson 21 (Add Fractions) • Lesson 22 (Subtract Fractions) • Lesson 23 (Add & Subtract Mixed #'s) • Lesson 24 (Multiply Fractions & Whole Numbers) • Mobymax Mobymax Lessons:(Lessons can be found under Fractions) • Add fractions with same denominators • Add fractions with a number line • Add fractions with same denominators word problems • Subtract fractions with same denominators	

Lesson 9: Multiply Fractions by Whole Numbers Use Pages 613-618 My Math Video Virtual Lesson My Math Edpuzzle.com Chapter Review Ch. 9 Review/Study Guide (Revised 3-2019) Don't use the book review Vocabulary Review Vocabulary Check Math Up The Pairs Kahoot Review Test		- Subtract fractions with same denominators word problems - Add mixed numbers with like denominators 1 - Add mixed numbers with like denominators 2 - Add mixed numbers with like denominators word problems - Subtract mixed numbers with like denominators - Subtract mixed numbers with like denominators with carryover Part 1 - Subtract mixed numbers with like denominators with carryover Part 2 - Subtract mixed numbers with like denominators word problems - Multiply a fraction by a whole number - Multiply a fraction by a whole number word problems Part 1 - Multiply a fraction by a whole number word problems Part 2
Independent Practice: - Homework Pages - Guided Practice - Independent Practice Enrichment Practice Re-Teaching Pages Xtra Math Fluency Practice Prodigy Math Fact Dash		
Assessment Activities: Check My Progress 1 Check My Progress 2 - Guided Practice - My Homework - Dry Erase boards	Assessments: Am I Ready Pretest Ch 9 Test Revised 3/2019	Assessment Method(s); ☐ MC ☐ CR

Exit Slips		○ PE
Academic Vocabulary: My Vocabulary Cards Denominator, mixed number, numerator, simplest form		
Other Resources and Notes: Multiplication Facts Review Activities (Beach Ball, Around The World) Practice Board Activities		
Prerequisite Skill: In the previous grade, students used Number and Operations-Fractions in their study of fractions. - Understand a fraction $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into b equal parts. - Understand a fraction as a number on the number line and represent fractions on a number line. - Explain equivalence of fractions and compare fractions.		
Expectation Unwrapped and Content Limits/Assessment Boundaries: NF.B.4 The student will combine fractions with like denominators to make a fraction or whole number using a visual model. The student will separate a whole or fraction to make fractional parts using a visual model. <u>(Visual fraction models may include a manipulative or drawings where students have to label or shade. Visual models should include only one whole. Questions need not explicitly include addition and subtraction signs.)</u> Sample Stems Given a picture of a whole, students will show how to shade various parts to show a fraction. NF.B.5 The student will create an equation that shows a given fraction decomposed into fractional parts with the same denominator. The student will create an equation that shows a given fraction decomposed in more than one way. The students will justify a sum of an equation by using a number line. The students will justify a sum of an equation by using a visual fraction model. <u>(All decompositions should be shown with the same denominator. Visual fraction models may include a manipulative or drawing where students have to label or shade.)</u> NF.B.6 The student will solve addition problems involving fractions with like denominators. The student will solve addition problems involving mixed numbers with like denominators. The student will solve subtraction problems involving fractions with like denominators. The student will solve subtraction problems		

involving mixed numbers with like denominators. (Problems may include word problems with or without context, or solving a given, an expression or equation. Equivalent forms may be expressed. Simplified forms may not be required.)

NF.B.7

The student will be given the multiplication problem and asked to find repeated addition or equal groups. The student will be given the repeated addition or equal groups and asked to find the multiplication equation. (Equal groups could be a visual model or in words.)