| **Topic 4** | **Lesson 4-4** | Adding and Subtracting Rational Expressions  Pacing: 2 Days / Block: 1 Day | | |
| --- | --- | --- |
| LESSON OBJECTIVE(S) | | Essential Understanding |
| Students will be able to:  Understand that rational expressions form a system  analogous to the system of rational numbers and use that understanding to add and subtract rational expressions. | | The properties of operations used to add and subtract rational numbers can be applied to adding and subtracting rational expressions. |
| NEW Vocabulary | | |
| * Compound fraction | | |
| STANDARDS | | |
| **Common Core State Standards for Mathematics** | | |
| **Content Standards**  HSA.SSE.A.2, HSA.APR.D.7 (+) | **Standards for Mathematical Practice**  MP.5, MP.7, MP.8 | |

Teaching the Lesson

| STEP 1: explORE | |
| --- | --- |
| **Critique & Explain** | Student Edition & Student Companion  SavvasRealize.com |
| STEP 2: UNDERSTAND & APPLY | |
| **Example 1:** Add Rational Expressions With Like Denominators | Student Edition & Student Companion  SavvasRealize.com |
| **Example 2:** Identify the Least Common Multiple of Polynomials  Support for Struggling Students | Student Edition & Student Companion  SavvasRealize.com |
| **Example 3:** Add Rational Expressions With Unlike Denominators  Support to Extend Student Thinking | Student Edition & Student Companion  SavvasRealize.com |
| **Example 4:** Subtract Rational Expressions | Student Edition & Student Companion  SavvasRealize.com |
| **Example 5:** Use Rational Expressions to Solve Problems | Student Edition & Student Companion  SavvasRealize.com |
| **Example 6:** Simplify a Compound Fraction  Support for English Language Learners | Student Edition & Student Companion  SavvasRealize.com |
| **Concept Summary**  Do You UNDERSTAND? and Do You KNOW HOW? | Student Edition & Student Companion  SavvasRealize.com |
| STEP 3: PRACTICE AND PROBLEM SOLVING | |
| **Practice and Problem Solving** | Student Edition  SavvasRealize.com |
| STEP 4: Assess & Differentiate | |
| **Lesson Quiz** | SavvasRealize.com  Teacher Resources Download |
| **Differentiated Resources Library**   * Reteach to Build Understanding * Mathematical Literacy and Vocabulary * Additional Practice * Enrichment * Video Tutorials | SavvasRealize.com  Teacher Resources Download |