E

| **Topic 4** | **Lesson 4-3** | Multiplying and Dividing Rational Expressions  Pacing: 2 Days / Block: 1 Day | | |
| --- | --- | --- |
| LESSON OBJECTIVE(S) | | Essential Understanding |
| Students will be able to:  Use the structure of rational expressions to rewrite simple rational expressions in different forms.  Understand that rational expressions form a system  analogous to the system of rational numbers and use that understanding to multiply and divide rational expressions. | | Rational expressions form a system similar to the system of rational numbers and can be multiplied and divided by applying the properties of operations as they apply to rational expressions. |
| NEW Vocabulary | | |
| * Simplified form of a rational expression | | |
| STANDARDS | | |
| **Common Core State Standards for Mathematics** | | |
| **Content Standards**  HSA.APR.D.6, HSA.APR.D.7, HSA.SSE.A.2 | **Standards for Mathematical Practice**  MP.3, MP.6, MP.7 | |

Teaching the Lesson

| STEP 1: explORE | |
| --- | --- |
| **Explore & Reason** | Student Edition & Student Companion  SavvasRealize.com |
| STEP 2: UNDERSTAND & APPLY | |
| **Example 1:** Write Equivalent Rational Expressions | Student Edition & Student Companion  SavvasRealize.com |
| **Example 2:** Simplify a Rational Expression | Student Edition & Student Companion  SavvasRealize.com |
| **Example 3:** Multiply Rational Expressions  Support to Extend Student Thinking | Student Edition & Student Companion  SavvasRealize.com |
| **Example 4:** Multiply a Rational Expression by a Polynomial | Student Edition & Student Companion  SavvasRealize.com |
| **Example 5:** Divide Rational Expressions  Support for Struggling Students | Student Edition & Student Companion  SavvasRealize.com |
| **Example 6:** Use Division of Rational Expressions  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 |