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| **Unit 3: Fraction Operations Learning Plan** | | |
| **No more than 4.5 weeks** | **Learning Target 1: I can add and subtract fractions.**  **5.NF.1, 5.NF.2** | |
| **Unit Synopsis:**  In this unit students will be exploring all four **operations** with **fractions**, and **mixed numbers**. Students should have already worked on these skills in 5th grade; specifically, addition, subtraction and multiplication. Students will need to understand and apply the correct steps for completing each operation. A **common denominator** is required when adding or subtracting fractions, therefore students need to apply their knowledge of **multiples** from Unit 1. For all operations, it is important the answer is in **simplest form**. This will require students to utilize their knowledge of **common factors** for Unit 1. Throughout the unit, students will be applying their understanding of the operations with fractions to solve real world word problems. | Period 1 | I can use common multiples of whole numbers in order to create equivalent fractions. |
| Period 1 | I can determine a least common denominator of two or more fractions. |
| Period 2 | I can identify common factors of whole numbers. |
| Period 2 | I can simplify fractions using the greatest common factor. |
| Period 3 | I can add two or more fractions with unlike denominators following the standard algorithm. |
| Period 4 | I can subtract two or more fractions with unlike denominators following the standard algorithm. |
| **Learning Target 2: I can add and subtract mixed numbers.**  **5.NF.1, 5.NF.2** | |
| Period 5 | I can convert between mixed numbers and improper fractions. |
| Period 5 | I can add two or more mixed numbers following the standard algorithm. |
| Period 6 | I can subtract two or more mixed numbers following the standard algorithm. |
| Period 7 | I can explain the sum or difference is correct. |
| **Learning Target 3: I can multiply fractions and mixed numbers.**  **5.NF.4** | |
| Period 8 | I can multiply two or more fractions following the standard algorithm. |
| Period 9 | I can multiply two or more mixed numbers following the standard algorithm. |
| Period 10 | I can explain why multiplying a fraction by a fraction or by a whole number results in a smaller answer. |
| Period 11 | **Mastery Quiz 1** |
| **Learning Target 4: I can divide a fraction by a fraction.**  **6.NS.1** | |
| Period 12 | I can divide a fraction by a fraction following the standard algorithm. |
| Period 13 | I can explain the quotient when I divide a fraction by a fraction. |
| **Learning Target 5: I can divide a mixed or whole number by a fraction.**  **6.NS.1** | |
| Period 14 | I can divide a mixed or whole number by a fraction following the standard algorithm. |
| Period 15 | I can explain the quotient when I divide a mixed or whole number by a fraction. |
| Period 16 | **Mastery Quiz 2** |
| **Learning Target 6: I can divide a fraction by a mixed or whole number.**  **6.NS.1** | |
| Period 17 | I can divide a fraction by a mixed or whole number following the standard algorithm. |
| Period 18 | I can explain the quotient when I divide a fraction by a mixed or whole number. |
| **Learning Target 7: I can solve real world problems involving fractions.**  **MP.1, MP.7** | |
| Period 19 | I can correctly identify and solve problems that involve adding or subtracting fractions. |
| Period 20 |
| Period 21 | I can correctly identify and solve problems that involve multiplying or dividing fractions. \*\*including area of a rectangle and proportional relationships |
| Period 22 |
| Period 23 | **Mastery Quiz 3** |
| Period 24 | Miscellaneous:  *Teacher created quizzes*  *Spiral*  *Review*  *Completing activities* |
| Period 25 |
| Period 26 |
| Period 27 |
| Period 28 |
| Period 29 |
| Period 30 | **Unit 3 Post Test** |
| Period 31 |
| Period 32 | **Unit 3 Performance Task** |