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| **Grade 6 Unit 1: The Number System- Learning Plan** | | |
| **No more than 5 weeks** | **Learning Target 1: I can determine the GCF of 2 or more whole numbers.**  **6.NS.4, 6.NS. 2** | |
| **Unit Synopsis:**  In this unit students will explore the number system. Initially, they will learn that **factors** break a number down evenly. They will explore and develop their understanding of the fact that certain numbers have many factors (**composite** numbers), while others only have 2 factors (**prime** numbers). Students will identify the **greatest common factor** of 2 or more whole numbers. Students will learn that **multiples** are the **products** that result from multiplying a given number or numbers by other whole numbers. Students will determine the **least common multiple** of 2 or more whole numbers. Students will apply their knowledge of factors and multiples to solve real world problems. Students will utilize the **distributive property** to create equivalent numerical expressions. Students will build on their current understanding of number lines to include the ordering of **integers** and **rational numbers**. Students will understand how to compare rational numbers, as well as how to relate rational numbers to real life situations. | Period 1 | I can identify factor pairs of a whole number. |
| Period 1 | I can distinguish between prime & composite numbers. |
| Period 2 | I can find the prime factorization of a whole number in exponential form. |
| Period 3 | I can determine the GCF of 2 or more whole numbers. |
| **Learning Target 2: I can determine the LCM of two or more whole numbers.**  **6.NS.4** | |
| Period 4 | I can list the multiples of a whole number. |
| Period 4 | I can determine the LCM of 2 or more whole numbers. |
| **Learning Target 3: I can recognize situations where or GCF or LCM is required.**  **6.NS.4, MP. 1** | |
| Period 5 | I can apply GCF to real-life situations. |
| Period 6 | I can apply LCM to real-life situations. |
| Period 7 | I can recognize when GCF or LCM is required. |
| Period 8 |
| Period 9 | **Mastery Quiz 1** |
| **Learning Target 4: I can generate equivalent numerical expressions according to the distributive property.**  **6.NS.4** | |
| Period 10 | I can evaluate numerical expressions using the order of operations. |
| Period 11 | I can simplify expressions using the distributive property |
| Period 12 | I can factor whole number expressions |
| **Learning Target 5: I can compare and order integers.**  **6.NS.5, 6.NS.6, 6.NS.7** | |
| Period 13 | I can identify an integer. |
| Period 13 | I can determine the absolute value of an integer. |
| Period 14 | I can compare two integers using <, > and =. |
| Period 15 | I can order a set of integers. |
| Period 16 | I can apply integers to real world situations. |
| Period 17 |
| **Learning Target 6: I can compare and order decimals.**  **6.NS.6** | |
| Period 18 | I can identify place values. |
| Period 18 | I can compare two decimals using <, > and =. |
| Period 19 | I can order a set of decimals. |
| Period 20 | I can apply decimals to real world situations. |
| Period 21 | **Mastery Quiz 2** |
| **Learning Target 7: I can compare and order fractions.**  **6.NS.6** | |
| Period 22 | I can identify the parts of a fraction. |
| Period 22 | I can create equivalent fractions. |
| Period 23 | I can find the least common denominator of two or more fractions. |
| Period 24 | I can compare two fractions using <, > or =. |
| Period 25 | I can order a set of fractions. |
| Period 26 | I can apply fractions to real world situations. |
| **Learning Target 8: I can convert between fractions and decimals.** | |
| Period 27 | I can use long division to convert a fraction to a decimal. |
| Period 28 | I can use place value to convert a decimal to a fraction in simplest form. |
| Period 29 | I can solve real world problems involving fractions & decimals. |
| Period 30 | **Unit 1 Mastery Quiz 3** |
| Period 31 | Miscellaneous:  *Teacher created quizzes*  *Spiral*  *Review*  *Completing activities* |
| Period 32 |
| Period 33 |
| Period 34 | **Unit 1 Post Test** |
| Period 35 |
| Period 36 | **Unit 1 Performance Task** |