**Rules for Operations with Fractions**

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| 1.  Adding or Subtracting Fractions    -before you add or subtract fractions the denominators must be the same    -when adding or subtracting fractions the denominators remain the same only the numerator will change             Example:  1  +  1 =  2                               3       3      3 2.  Multiplying Fractions    -before you mulitply you must change mixed numbers to improper fractions    -multiply the numerators and the denominator straight across            Example:  1  x  1 = 1                            3       3    9 3.  Divide Fractions    -before you divide you must change mixed numbers to improper fractions    -when dividing keep the first fraction the same, change the operation to multiply, and flip the second fraction to its reciprocal            Example: 1 1/2  divided by    3 =           3    x  4 =12 = 2 (simplified)                                                             4               2        3      6 4.  Order of OperationsB -do what is in brackets firstE-evaluate exponent numbers if they are thereDivide and Mulitply in the order they appear from left to rightAdd and Subtract in order it appears from left to right   |
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