Domino Decimal War

Adding or Subtracting Decimals

Concept	Practice adding or subtracting numbers with decimals.
Materials needed	Each student will need the following: • Set of dominoes to share • Whiteboard or scratch paper
Directions	1. Place dominoes facedown between partners and decide if players will add or subtract during the game. 2. Each player chooses two dominoes and turns them over. 3. One side of the domino will represent the whole number, and the other side will represent the decimal. 4. Players add (or subtract) their respective dominoes. Players can use a whiteboard or paper to help solve the problem. 5. The player with the greatest sum (or smallest difference if subtracting) wins the round and takes all dominoes. If there is a tie between the two players, each player chooses an additional domino and adds/subtracts using all three numbers. 6. Play continues until all dominoes have been chosen from the middle. The player with the most dominoes is the winner.
Differentiate	To differentiate this activity, choose domino sets to fit the needs of struggling or advanced students. Dominoes come in sets with dots (pips) of double 6, 9, 12, 15, or 18. Larger sets will allow students to add or subtract numbers with decimals in the hundredths.
CCSS	5.NBT.B.7: Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.