

“Box Score”

Lowest Terms Fraction Game Directions

Supplies:

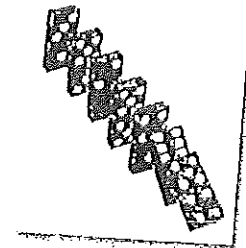


One Box Score Mat per student, one set of double nine dominoes with the zero set removed per group.

Directions:

2-3 players

1. When creating a fraction using the dominoes, the end with the fewer pips becomes the numerator and the other end becomes the denominator.
2. The dominoes are placed face down in the playing area. Players take turns picking a domino and deciding whether or not the fraction is in lowest terms. If it is in lowest terms, the player places it on the mat in the box that matches the value of the numerator. If it is not, the player states the lowest-terms fraction and places the domino in the 10-box. After a player places a domino, the rest of the group decides if it is placed correctly. If not, the domino is returned to the draw area and the player loses a turn.
3. Scoring: After all dominoes have been placed and agreed upon, each player multiplies the number of dominoes in each box by the box number and then finding the sum of their products. Example: 3 in the 1 box is $3 \times 1 = 3$, 3 in the 2 box is $3 \times 2 = 6$, etc...
4. After a predetermined number of rounds, the player with the highest total wins.



Optional Activities:

1. Students play the game using improper fractions (largest number of pips becomes the numerator and the smallest number becomes the denominator). If the improper fraction will become a whole number they go in the boxes 1-8. Example: $8/4 = 2$ and would be placed in the 2 box. The

BOX SCORE

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|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 10 |
| 5 | 6 | 7 | 8 | |