

Fraction Circles Banker's Game

Materials needed for each pair of players: 1 game board (attached), 1 fraction circle set (wholes, halves, thirds, fourths, sixths, and eighths), 1 die (3 faces labeled $\frac{1}{8}$, 2 faces labeled $\frac{1}{6}$, 1 face labeled $\frac{1}{4}$).

Directions: Two players.

1. Player 1 rolls die and places a piece of that size in the game board circle that is partitioned in that fractional denomination.
2. After the first roll and piece placement by a player in a turn, the player has a choice. If after placing that piece there is some combination of pieces anywhere on the board that is equivalent to a larger piece, the player may choose to remove and exchange those pieces for the equivalent piece, and then place the equivalent piece in the circle partitioned to that piece's denomination. If a player makes such an exchange, that player is awarded an additional roll and piece placement. The player can then, if it is possible and the player chooses to do so, make another exchange and be awarded an additional roll. That player's turn continues until no more exchanges can be made.
3. A player is awarded a point when an exchange is made for a whole circle.

