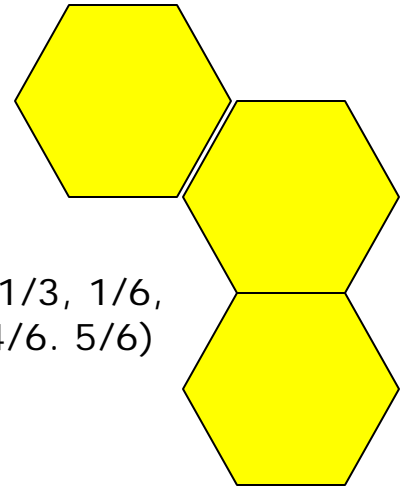


## Hexagon Cookie Game



Materials: pattern blocks  
fraction cards or number cubes ( $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{6}$ ,  
 $\frac{2}{3}$ ,  $\frac{4}{6}$ ,  $\frac{5}{6}$ )  
game board: hexagon shapes

### Directions:

1. In turn, each player draws one card or rolls a fraction cube
2. Player takes pattern blocks (cookies) to match the roll.
3. Place the pattern blocks on the game board.
4. At the end of a turn, a player should trade blocks as needed. Players should always have the fewest number of pattern blocks on the game board.
5. Pattern block pieces can be placed on any hexagon cookie. The object of the game is to cover the most cookies first. This does not mean that one cookie has to be completely covered before placing game pieces on other hexagon cookies.  
As students develop strategies, they will deepen their understandings as they select placement of game pieces.
6. Take turns. The player who fills his/her game board first wins the game.

Variation: Play with fraction cards that include cards equal to one, less than one, greater than one.

Mathematics: Develops ideas of common equivalents, especially relationships among halves, thirds, and sixths.