



Fraction Cookie (page 1 of 2)

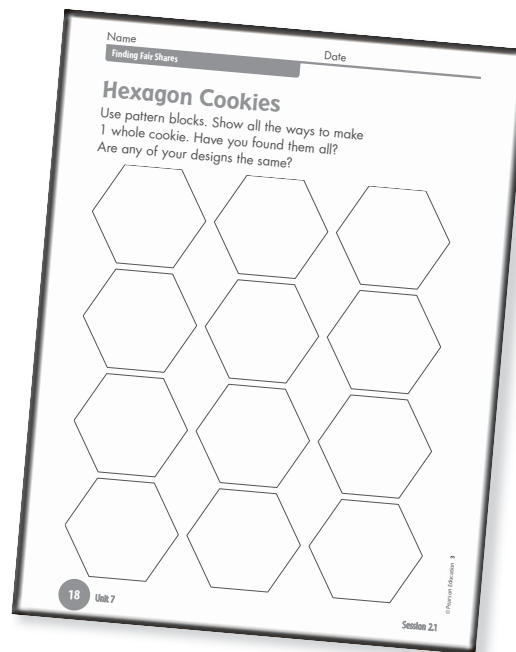
You need



- pattern blocks
- fraction number cubes (2 in one color and 1 in a different color)
- *Hexagon Cookies*

Play with a partner or in a group.

- 1 Each player rolls one fraction number cube and takes that amount in pattern blocks, or "cookies." Record the cookies you collect on *Hexagon Cookies*.
- 2 At the end of a turn, each player must have the fewest number of pieces possible. For example, if you have $2\frac{1}{2}$ cookies altogether, you should have 2 yellows and 1 red in front of you. Trade in smaller fraction pieces for larger ones, and check each other's cookie shares as you play.
- 3 Take turns and collect cookies until you have filled in the sheet. The player who finishes first wins.





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Intermediate: Adding Fraction Cookies (two fraction number cubes)

Each player rolls two fraction number cubes, adds the two amounts, and collects that number of cookies in pattern blocks. Continue to trade so that you always have the fewest pieces possible at the end of your turn. Play continues until players have filled up one sheet; players may also agree to fill two sheets in this version.

Advanced: Adding and Subtracting Fraction Cookies (three fraction number cubes)

Each player rolls two fraction number cubes of one color and a third fraction number cube of a different color, adds the amounts on the first two cubes, and then subtracts the amount on the third cube from his or her cookie collection. Continue to trade so that you always have the fewest pieces possible at the end of your turn. In this version of the game, start with two whole hexagon cookies so that you do not run out when you subtract. The first player to get four cookies (or any other number agreed on) wins.