

FRACTION DECK

$$\frac{8}{4}$$

$$\frac{4}{2}$$

$$\frac{5}{3}$$

$$\frac{6}{3}$$

$$\frac{5}{8}$$

$$\frac{12}{12}$$

$$\frac{9}{4}$$

$$\frac{9}{6}$$

$$2\frac{1}{2}$$

$$\frac{10}{8}$$

$$1\frac{1}{3}$$

$$1\frac{3}{4}$$

$$1\frac{1}{2}$$

$$\frac{3}{8}$$

$$\frac{4}{5}$$

$$\frac{0}{12}$$

$$\frac{7}{8}$$

$$\frac{2}{4}$$

$$\frac{2}{6}$$

$$\frac{8}{6}$$

$$\frac{8}{2}$$

$$\frac{0}{4}$$

$$\frac{4}{8}$$

$$\frac{6}{8}$$

$$1\frac{1}{4}$$

$$\frac{1}{6}$$

$$\frac{6}{6}$$

$$\frac{1}{3}$$

$$\frac{5}{2}$$

$$\frac{7}{4}$$

$$\frac{4}{12}$$

$$\frac{6}{9}$$

$$\frac{3}{12}$$

$$\frac{5}{6}$$

$$\frac{3}{2}$$

$$\frac{1}{4}$$

$$\frac{0}{2}$$

$$\frac{4}{10}$$

$$\frac{5}{4}$$

$$\frac{2}{12}$$

$$\frac{9}{12}$$

$$\frac{2}{2}$$

$$\frac{4}{3}$$

$$\frac{6}{4}$$

$$1\frac{2}{3}$$

$$\frac{8}{8}$$

$$\frac{6}{12}$$

$$\frac{8}{12}$$

$$\frac{1}{2}$$

$$\frac{3}{3}$$

$$\frac{4}{4}$$

$$\frac{4}{6}$$

$$\frac{2}{5}$$

$$\frac{0}{3}$$

$$\frac{1}{8}$$

$$\frac{2}{8}$$

$$\frac{2}{3}$$

$$\frac{3}{4}$$

$$\frac{3}{6}$$

$$\frac{1}{5}$$

USING BENCHMARKS

Sort each card from your Fraction Deck into 1 of the following categories:

- Equal to 0
- Between 0 and $\frac{1}{2}$
- Equal to $\frac{1}{2}$
- Between $\frac{1}{2}$ and 1
- Equal to 1
- Between 1 and 2
- Equal to 2 or greater than 2

Record the fractions in each category in the table.

Equal to 0	
Between 0 and $\frac{1}{2}$	
Equal to $\frac{1}{2}$	
Between $\frac{1}{2}$ and 1	
Equal to 1	
Between 1 and 2	
Equal to 2 or greater than 2	

FRAC-O DIRECTIONS

Materials:

- One deck of Frac-O fraction cards
- One Frac-O game board per player

Number of Players: 2–4

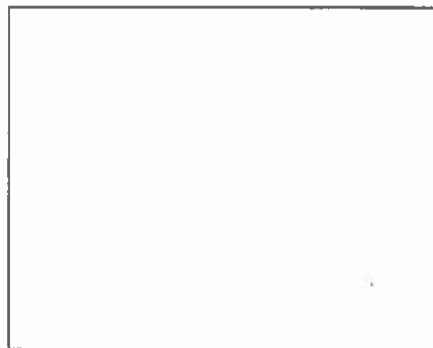
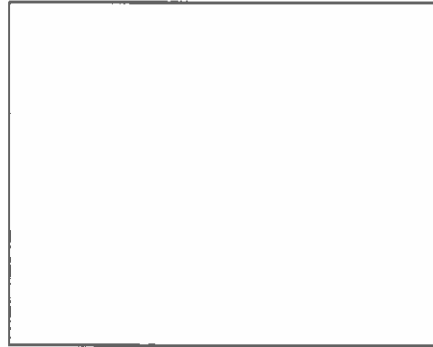
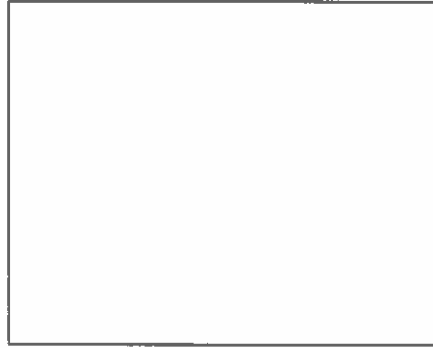
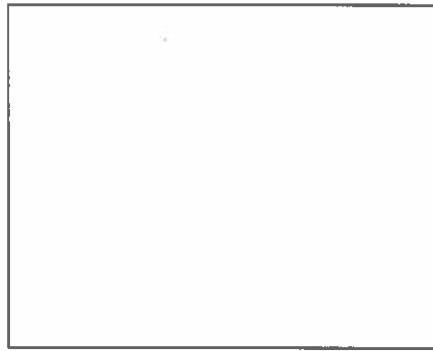
Objective:

Be the first player to arrange five fraction cards from least to greatest.

Directions:

1. Shuffle the fraction cards. Deal one card face down on each of the five spaces on each player's game board.
2. Put the remaining cards face down in a pile. Turn the top card over and place it in a discard pile.
3. Each player turns over the five cards on their game board. You may NOT change the order of the cards at any point during the game.
4. Players take turns as follows:
 - a. The first player takes either the top card from the face down pile or the top card from the discard pile.
 - b. The player decides whether to keep the card or put it face up in the discard pile.
 - c. If the player keeps the card, it must replace one of the five cards on the game board. The replaced card now goes face up on the discard pile.
5. If all the face down cards are used, shuffle the discard pile and continue.
6. The winner is the first person to have all five cards on their game board in order from least to greatest.

FRAC-O GAME BOARD



Greatest

Least

IN THE BALLPARK

For each fraction pair that is displayed in the PowerPoint presentation, estimate the sum or difference according to the stated parameters.

1. Estimate whether the sum or difference is more or less than 1.

a.

b.

c.

d.

e.

f.

2. Estimate the sum or difference to the nearest half.

a.

b.

c.

d.

e.

f.

3. Estimate the sum or difference as accurately as possible.

a.

b.

c.

d.

e.

f.