

Fraction Action, Fraction Friction

Strands Operations and Computation; Numeration

Skill Practice estimating sums of fractions

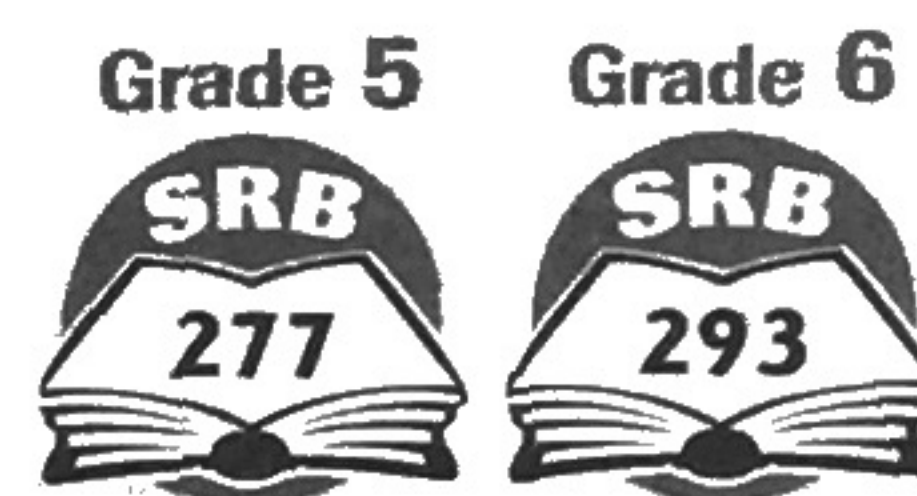
Games Kit Materials (per group)

- 16 *Fraction Action, Fraction Friction* Cards (or Game Master 79)

Additional Materials (per group)

- 1 calculator per player

Players 2 or 3



Object of the game To be the first player to win 5 hands.

Directions

1. One player shuffles the deck and places the pile facedown on the playing surface between the players.
2. Players take turns.
 - On each player's first turn, he or she takes a card from the top of the pile and places it faceup on the playing surface.
 - On each of the player's following turns, he or she announces one of the following:

“Action” This means that the player wants an additional card. The player believes that the sum of the cards is not close enough to 2 to win the hand. The player thinks that another card will bring the sum of the cards closer to 2, without going over 2.

“Friction” This means that the player does not want an additional card. The player believes that the sum of the cards is close enough to 2 to win the hand. The player thinks there is a good chance that taking another card will make the sum of the cards greater than 2.

Once a player says “Friction,” he or she cannot say “Action” on any turn after that.

3. Play continues until all players have announced “Friction” or have a set of cards whose sum is greater than 2. The player whose sum is closest to 2, without going over 2, is the winner of the hand. Players may check each other’s sums on their calculators.
4. One player reshuffles the cards and play begins again. The winner of the game is the first player to win 5 hands.



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

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

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

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

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

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

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

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

$$\frac{1}{12}$$

$$\frac{1}{12}$$

$$\frac{5}{12}$$

$$\frac{5}{12}$$

$$\frac{7}{12}$$

$$\frac{7}{12}$$

$$\frac{11}{12}$$

$$\frac{11}{12}$$