

Fraction Concentration

Inspired by *Full House: An Invitation to Fractions* by Dayle Ann Dodds

This is a game for two, three, or four players.

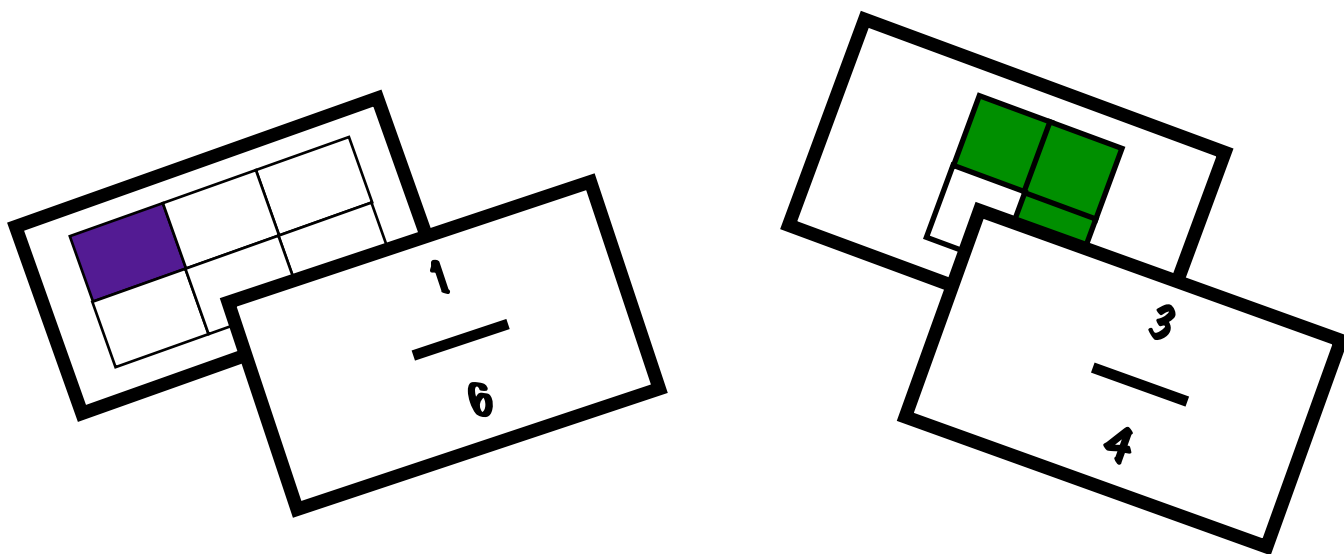
Goal: Match a fraction card with the corresponding model.

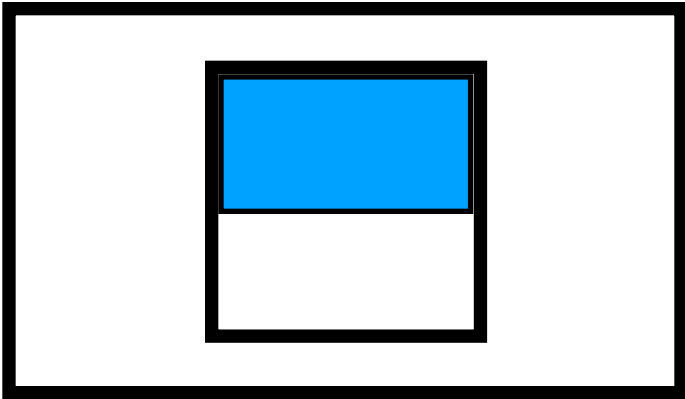
You will need:

- A deck of fraction cards
- A deck of fraction model cards

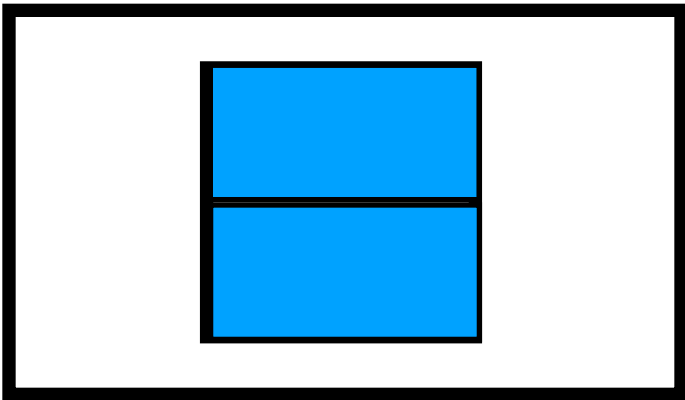
How to play:

- Shuffle the two decks separately
- Keeping the two decks separate, arrange the cards face down in two separate groups (with the cards in rows and columns).
- The first player chooses two cards to turn over; one from each group. If the cards are a match, the player removes the two cards and plays again. If the cards are not a match, the player turns them back over and the next player takes a turn.
- When all cards have been matched, the game is over and the player with the most matches wins the game.

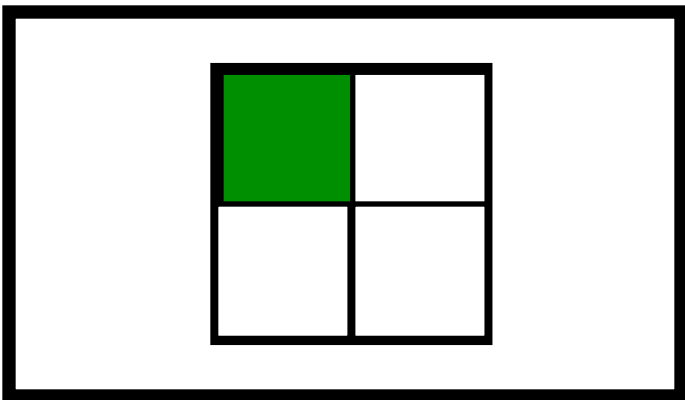




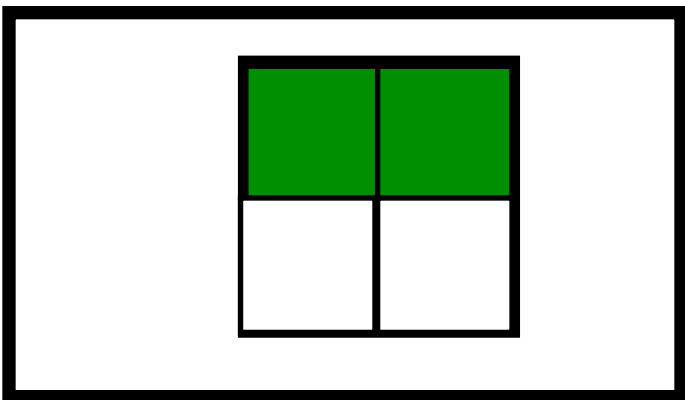
$$\frac{1}{2}$$



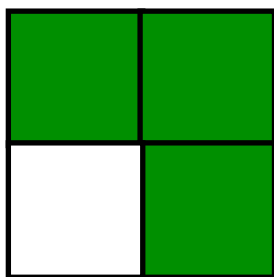
$$\frac{2}{2}$$



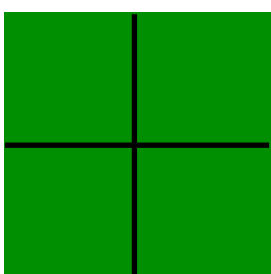
$$\frac{1}{4}$$



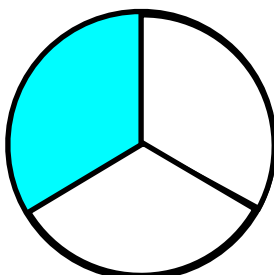
$$\frac{2}{4}$$



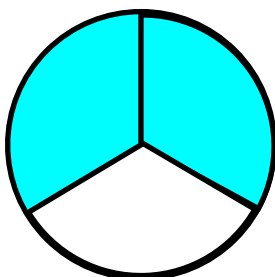
$$\frac{3}{4}$$



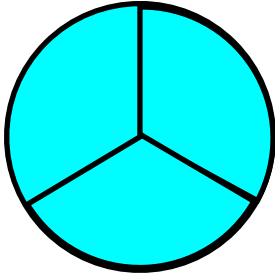
$$\frac{4}{4}$$



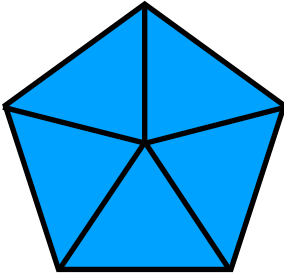
$$\frac{1}{3}$$



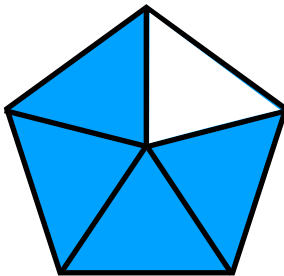
$$\frac{2}{3}$$



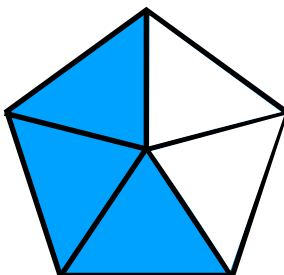
$$\frac{3}{3}$$



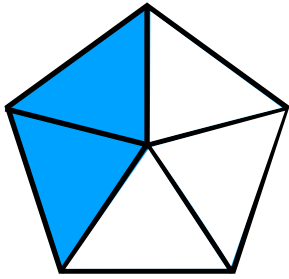
$$\frac{5}{5}$$



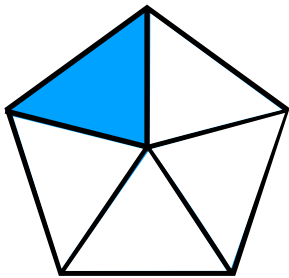
$$\frac{4}{5}$$



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



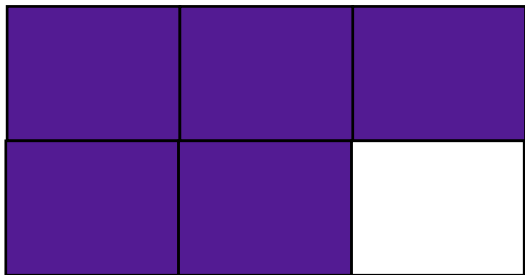
$$\frac{2}{5}$$



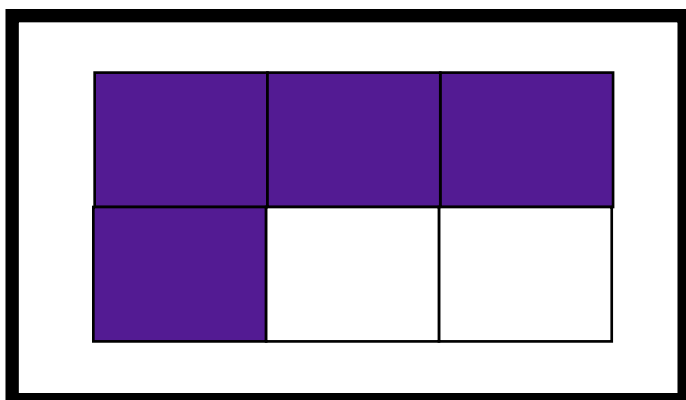
$$\frac{1}{5}$$



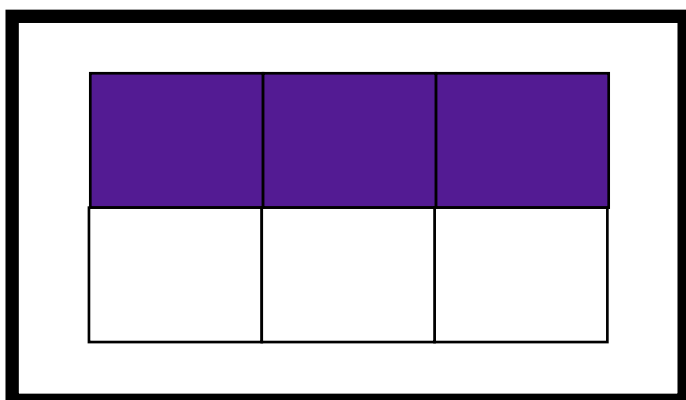
$$\frac{6}{6}$$



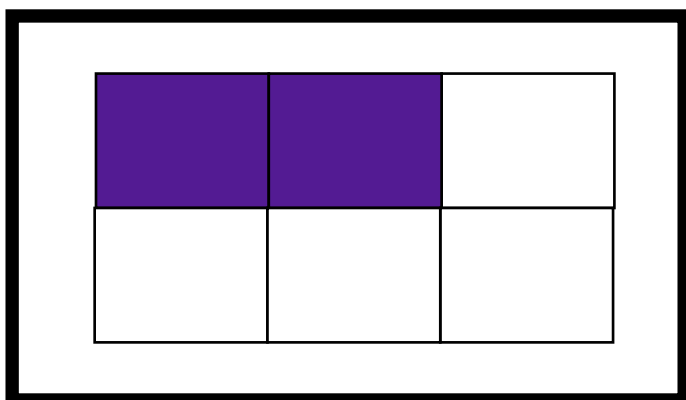
$$\frac{5}{6}$$



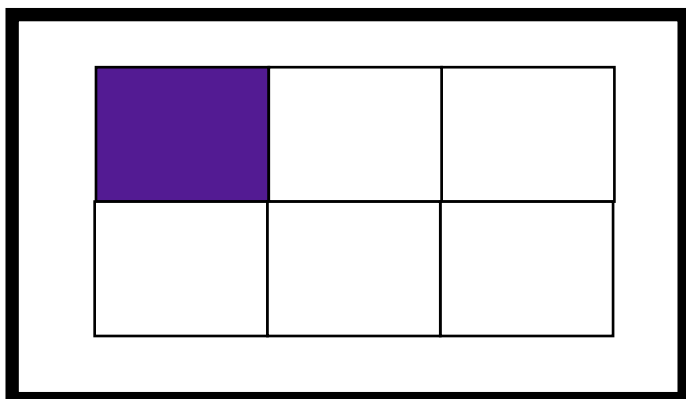
$$\frac{4}{6}$$



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



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



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

Alternative Ways to Play Fraction Concentration

- For an easier game, arrange the two groups of cards in separate groups but lay one set of cards face up. The player turns over an unknown card and matches it with one of the face-up cards, which could be on either deck.
- Allow matches with equivalent fractions. For example, $\frac{1}{2}$ could match with $\frac{3}{6}$.
- For a more difficult (and potentially longer) game, shuffle the two decks together. Arrange the cards face down in one group.
- Shuffle the two decks together and arrange the cards face down, but haphazardly; not in rows and columns (which could make it harder to remember where a particular card was).
- One way to distinguish the two types of cards when they are face down is to print them on different-colored paper.