



That's One Whole Number

Players: 2

Students add fractions to make one whole.

Materials

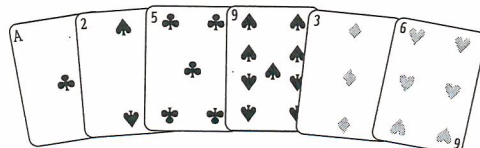
one shuffled deck of cards with jokers and face cards removed
 Fraction Game Sheet, one per player (page 25)
 pencils

The Way to Play

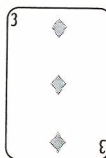
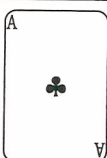


- 1 One player deals six cards to each player and stacks the remaining cards facedown in a pile. Each player takes a game sheet, draws an addition sign in the center box, and writes 1 as the sum.
- 2 Players try to use four of their cards to form two fractions whose sum is 1. Players place the four cards on their game sheet to complete the equation.
- 3 • Player 1 takes the first turn. If successful, Player 1 earns a point and places the four cards in a discard pile. The player draws four new cards and the turn ends.
 - If Player 1 is unable to create two fractions whose sum is 1, Player 1 draws a card from the pile. The player can either keep the card or discard it. If the player keeps the card, the player must discard a different card. If the player can now create two fractions whose sum is 1, the player does so, following the directions above. If not, the turn ends.
- 4 Player 2 takes a turn in the same way.
- 5 Players continue to take turns. When the draw pile runs out, players shuffle the discard pile and this becomes the draw pile.
- 6 The first player to earn 5 points wins.

Example:

A player starts with the following cards.



The player uses four of the cards to form the following equation.

		$+$	$= 1$
			

Fraction Game Sheet

Your Average Card

Players: 2 or more

**Students find averages
and round to the nearest
whole number.**

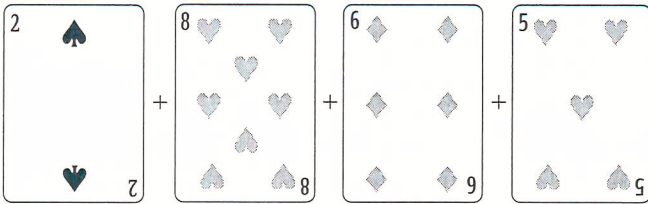
Materials

one shuffled deck of cards with jokers and face cards removed
calculators (optional)
scrap paper and pencils

The Way to Play

- 1 One player deals four cards to each player and stacks the remaining cards facedown in a pile.
 - 2 Players find the average of their four cards by adding their cards together and dividing the total by four. (A calculator may be used for this step.)
 - 3 Players round their averages to the nearest whole number and record this number on scrap paper. The player earns this number of points for the round.
 - 4 Players place the four used cards in a discard pile.
 - 5 Play continues in the same way. Players shuffle and use the discard pile as needed. The first player to earn 50 points wins the game.
- Example:**

A player adds the cards.



The player finds the average.

$$21 \div 4 = 5 \frac{1}{4}$$

The player rounds the average to the nearest whole number.

Example:

A player adds the cards.

2 + 8 + 6 + 5 = 21

The player finds the average.

$$21 \div 4 = 5 \frac{1}{4}$$

The player rounds the average to the nearest whole number.

♠ Variation ♣

Find the average of more than four cards.