

Multiplication Challenge

Rules adapted from *Rules of Card Games: War*. <http://www.pagat.com/war/war.html>

- Material:** A deck of playing cards without Jokers, Jacks, Queens, and Kings
- Players:** Group of two to four or whole class
- Rules:** Deal cards so that each player has the same number of cards. Keep the cards face down. Both players turn over their top two cards. Whoever has the highest product (by multiplying their two cards together) takes all turned over cards and places the cards face down on the bottom of his/her deck. If both cards are equal, there is a challenge. In a challenge, each player places a card face down on top of his/her first card. Then, each player places two cards face up on top of his/her face down card. Whoever has the highest product (by multiplying their second set of two cards together) takes all the played cards (face up and face down). If the products are equal, the players have another challenge (another face down card, another two face-up cards).
Play continues until one person is out of cards (or only has one card). Whoever has all the cards is the winner.
- Variation 1:** The game can be played with three or four players in exactly the same way except that in the challenge all the players (not just the ones who tied!) take part. Again if any two products are tied for highest, the players have another challenge (another face down card, another two face-up cards).
A player who runs out of cards (or only has one card) drops out and the other players continue to play. Whoever has all the cards is the winner.
- Variation 2:** Players can play so that the lowest product wins.