

# JANKEN



## Deck

# Towers of Hanoi

## Puzzle

### An Old Puzzle with New Rules!

#### Summary:

Inspired by the original puzzle "Tower of Hanoi" that uses three pegs and a pyramid of disks. As of this writing, this puzzle has not been solved. Are you up for the challenge?

#### The Object:

Move your tower of cards from the middle to either side by following the rules.

#### The Deck:

Use all five Aces plus any three face down cards to represent the three "pegs".

#### The Setup:

Set the three face down cards in a line as "Pegs". On the center peg deal a stack of Aces that are from top to bottom: Rock, Paper, Scissors, Water, and Lizard. (See diagram on next page)

#### The Challenge:

Move the entire stack from the center peg to either side peg so that the final stack is in order (from top to bottom) Rock, Paper, Scissors, Water, and Lizard.

You can only move one card at a time.

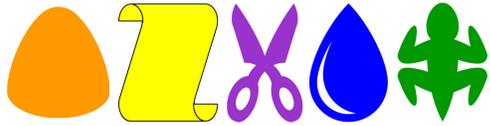
You can only move the top card from any stack to either an empty peg or onto a stack with an ace with a stronger suit on the top.

For example you may move the Ace of Rock onto a stack with the Ace of Paper or Water on top, but not the Ace of Scissors or Lizard.

#### The End:

The puzzle is finished when the complete stack is on either side peg in the proper order. Try to finish the puzzle in the fewest moves!

# JANKEN Deck



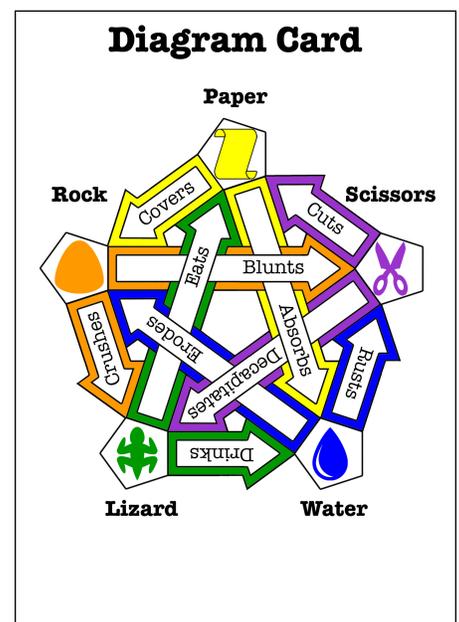
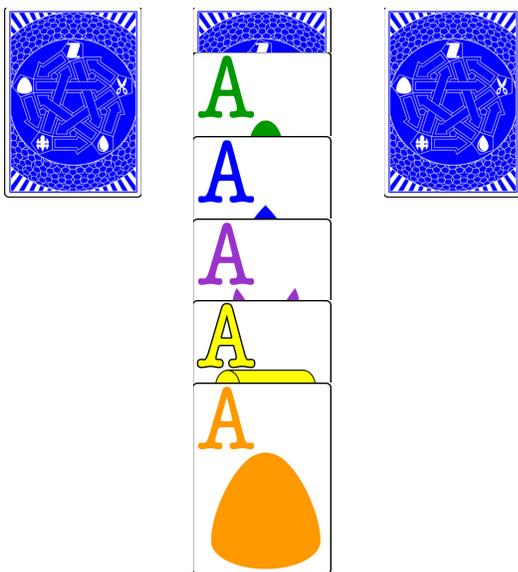
# Towers of Hanoi Puzzle

**An Old Puzzle with New Rules!**

## Variations:

There are two ways to stack 5 cards with Rock on top so that every card is on a stronger suit. One is (from top to bottom) Rock, Paper, Scissors, Water and Lizard. The other is Rock, Water, Paper, Lizard and Scissors. Try starting and ending with the towers in this second arrangement for a new puzzle.

To try a larger stack (between 6 and 10 cards) start with the Ace of Rock on top, then the 2 of Paper, 3 of Scissors, 4 of Water, 5 of Lizard, 6 of Rock, 7 of Paper, 8 of Scissors, 9 of Water and 10 of Lizard.



## The Story:

While watching a video about the math behind the original puzzle I was inspired to come up with this variation. Instead of finding the solution myself, I thought it would be more fun to share the puzzle first. I have a hunch that a solution is possible, but then again there may be something about the rock, paper, scissors rules that makes it impossible.

If you like a challenge that may not have a solution, try it out! If this turns out to be too easy, try the variations with more cards!