



Memory Challenge Revisited

Math Concepts: Addition / subtraction - 1-10, place value

Materials: Deck of playing cards or custom cards described below

Players: 2

Set up: Remove the face cards from the deck of cards. Deal a 4 by 4 grid of cards face down.

Play: The players take turns turning over two cards in the grid. If the cards 'match,' the player keeps the cards, two more cards are dealt into the empty spaces, and the player gets another turn. If the cards don't match, the cards are turned back over and the player's turn ends.

Goal: At the end of the game, the player with the most cards wins.

– DISCUSSION AND TIPS –

Discuss strategies for remembering where cards are – some people like to pick cards from specific types of regions, such as the corners or the center.

– VARIATIONS –

Here are ideas for how cards can match:

- Use a target sum. Two cards match if their sum is the target.
- Use a target difference. Two cards match if their difference is the target.
- Use cards with addition or subtraction problems together with cards that have the answers - cards match if the problem matches the answer.
- Use expanded form. Select 20 numbers from 0 to 99. Write those numbers on pieces of paper. Also, write each one in expanded form on a piece of paper. For example, create $50 + 3$ for 53, $30 + 0$ for 30, and $0 + 7$ for 7. Shuffle those two decks of 20 cards together. Two cards match when a regular number is paired with its expanded form.