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Expanded Notation Concentration

Level: Grades 3-4

Time: 10-15 minutes

2 or more

Number of Players:

Materials and

Preparation:

Mark 20 (or more) cards $11 \text{ cm} \times 4 \text{ cm}$ (must be an even number) in pairs using whatever place value is being studied. For example:



Laminate cards.

Procedure:

1. Cards are spread out, face down, either in a random or an ordered fashion.

- 2. Each player chooses a card. The player who chooses the one with the highest numerical value begins the game.
- 3. A player turns over 2 cards. If there is a match, the pair is kept by the player, who may choose again. If there is no match, the play moves on to the next player.
- 4. Play continues until all cards have been matched.
- 5. Players count the number of matched pairs that they have. The person who has the most pairs is the winner.

Variations: This "concentration" format can be extended to many other concepts, such as fractions, addition, subtraction, and symmetry.