

# FAMILY MATH FUN

## Handouts and Directions



# HOW TO PLAY Name That Number

**Note to Families:** This is one of several number games we play in class. Use this sheet to review the directions with your child. When you play the game together at home, be sure to give your child time to think about, combine, and compare the numbers on the cards. Please keep both the game directions and the number cards in a safe place at home for continued use.

## Materials:

- Deck of Cards (*Take out all face cards and jokers. Aces will be worth 1 in this game.*)
- **Name That Number** record sheet or blank sheet of paper
- Calculator (optional)

**Players:** 2

**Object:** To collect the most cards.

## How to Play

1. Shuffle cards and deal 5 cards to each player. Place the remaining cards number-side down on the table between the players. Turn over the top card and place it beside the deck. This is the *target number* for the round.
2. Players try to match the target number by adding, subtracting, multiplying, or dividing the numbers on as many of their cards as possible. Each card may only be used once.
3. Players write their solutions on a sheet of paper. When players have written their best solution follow the directions below:
  - Each player sets aside the cards they used to match the target number.
  - Each player replaces the cards they set aside by drawing new cards from the top of the deck.
  - The old target number is placed on the bottom of the deck.
  - A new target number is turned over and another round is played.
4. Play continues until there are not enough cards left to replace all of the players' cards. The player who has set aside the most cards wins the game.

**Example: Target number: 8**

Player 1's cards:

4	9	2	10	3
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Some possible solutions:

$$10/2 + 3 = 8 \quad \text{OR} \quad 4 * 9 / 3 - 4 = 8 \quad \text{OR} \quad 10 * 2 - 9 - 3 = 8$$

## Variations:

- Limit the operations to addition and subtraction only or multiplication and division only.
- Try to use the least amount of cards to get the target number. Then the player with the least number of cards wins the game.