

## Counters in a Cup

**Materials:** Counters (5–10)  
Counters in a Cup game grid  
Paper cup

**Players:** 2

**Object:** Figure out how many of a set of counters are hidden.

### How to Play

1. Decide how many counters to use each time. Write this total number on the game grid.
2. Player A hides a secret number of counters under the cup and leaves the rest out.
3. Player B figures out how many are hidden and says the number. Lift the cup to check.
4. On the game grid, write the number hidden in the cup and the number left out.
5. Players switch roles. Hide a different number of counters. (It's OK to hide the same number of counters more than once in a game.)
6. Repeat steps 2–5 until you have filled the game grid. (Hide the counters eight times.)

### Optional

Your filled game grid shows different ways to break the total number into two parts. Can you find a way that is not shown?

#### Note to Families

For counters, you can use buttons, pennies, paper clips, beans, or toothpicks. Hide them under any container that you cannot see through. If you do not have a copy of the game grid, write the numbers in two columns on any paper.

Name \_\_\_\_\_

Date \_\_\_\_\_

**Student Sheet 10**

# Counters in a Cup Game Grid

Total number: \_\_\_\_\_

In	Out