

# How Many in the Cups?: At Home

**Multiplication Practice** 

## From the Developing Number Concepts Series by Kathy Richardson

#### **Goals:**

- Recognize multiplication as a process of counting equal groups
- See relationships between multiplication problems

#### **Materials:**

- Objects: such as Legos, pennies, macaroni, pompoms
- Cups
- Dice, homemade spinner or numeral cards in a bag
- Paper

#### **Procedures:**

- 1. The child rolls the die, spins the spinner, or takes a number out of a bag to determine how many cups to get.
- **2.** The child then rolls the die, spins the spinner, or takes a number out of a bag again to determine how many counters go in each cup.
- **3.** The child determines how many in all the cups and writes an equation to match. For example: This child landed on 3 and got 3 cups. Then he landed on 4 and put 4 pompoms in each cup.



3×4=17

## What to watch for:

• How does the child find out the total? Does he know 3 groups of 4 are 12? Does he count by 4s? Does he know 4 and 4 is 8 and count on 4 more? Does he count all of them?

### **Extensions:**

Use numbers to 10 on a spinner or on numeral cards in a bag. Ask related problems such as: "You found out that 3 cups of 4 equals 12. What if you had 6 cups of 4?" "You found out 3 cups of 4 equals 12. What if you had 3 cups of 5?"

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