**Party Time**

**PreK**

**Materials:** Sets of counters.

**Discussion on the rug:**

Teacher asks the class,

“Who likes to have parties in our class? We are going to solve a problem that is about inviting friends to a party. Who would like to be our party host?”

Teacher invites a student to come forward to play the role of the host.

The teacher says to the host, “**Let’s start by inviting three friends to the party.**”

The student picks three friends to come forward.

“**How many people are at the party?**” the teacher asks the class.

Students share their answers and explain how they know.

The teacher says, “**Suppose each of the friends’ phones two people to come to the party. How many will be at the party altogether?**”

Students share their ideas and discuss solutions. Then they actually act it out and count the total number of people at the party.

**In small groups:** Students have counters available.

Teacher says, “**Cindy had a party. She invited two guests. Her guests each invited four guests, and then those guests each invited three guests. How many people were at Cindy’s party?**” Students work together to find a solution. After the students are done, the teacher asks students to share their answers and method.

**At the end of the investigation:** Students either discuss or dictate a response to this summary question: “**Explain and show how you know how many people are at the party.**”