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."**