

# THINKING WITH NUMBERS

## Lesson Descriptions

### Take A Number Apart

When a part is removed from the whole, children will be asked to figure out the hidden part. For example, 4 dots are shown, then hidden. After 1 comes out of the cloud, how many are still hidden? The separating action will begin to help children make sense of subtraction and the minus sign. Separating 1 from 4 can be represented by using the whole, the separated part, and minus sign;  $4 - 1$ . The equals sign will be introduced later. The part-part-whole diagram will reinforce the partitions of numbers.

Expected content outcomes include helping children learn:

- to take the whole apart and figure out the hidden part,
- to recognize parts within the whole,
- to represent separating by using subtraction, and
- to use numbers and the minus sign to represent subtraction.

