THINKING WITH NUMBERS
Lesson Descriptions

Make Part Of A Number

These lessons show a number, hide it under a cloud, then ask children to figure out how many need to be removed to leave a given number. For example, if you start with 3 dots, then hide them, how many dots need to be removed to leave 1 dot under the cloud. Starting with 3, then removing 2, can be represented with numbers and the minus sign; 3 – 2. The separating action will begin to help children make sense of subtraction and the minus sign. 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 part from the whole to leave a given number,
- to recognize parts within the whole,
- to represent separating by using subtraction, and
- to use numbers and the minus sign to represent subtraction.