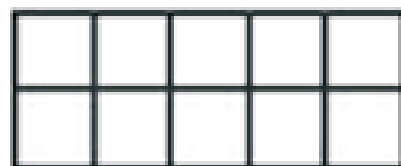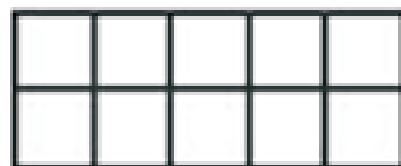# Double-Sided Counters

Task:

- Using a barrier, one student covers a number of squares with double-sided counters on the 5 or 10 frame. The other student asks questions to try to determine the number. For example, is it more than 6? Is it an even number?
- Using the double-sided counters, students work together to determine multiple ways to represent the mystery number.

Materials:

- Barrier (book, cardboard, writing folders)
- 2 ten frames
- Double sided counters

Double-Sided Counters

💡 BIG Ideas

- You can represent numbers in a variety of ways; Each representation of the number can focus on a different aspect of the numbers; A number tells how many are in a group; To count the number in a group, we often create subgroups and count the number of subgroups.

Curriculum Expectations

- Compose and decompose numbers in a variety of ways, suing concrete materials
- Demonstrate, using concrete materials, the concept of conservation of number

🔗 Links *...to other ideas using this manipulative:*

- Literature Link: 10 Black Dots by Donald Crews (This book could be used as Minds On in a 3-part lesson to activate schema about numbers and real-world connections).
  http://tinyurl.com/gv8pxev ⟶ (top)
- Ten Frame:
  http://tinyurl.com/jwjb559 ⟶ (bottom)