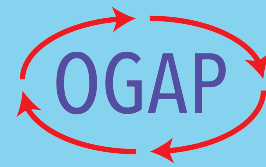


Subitizing

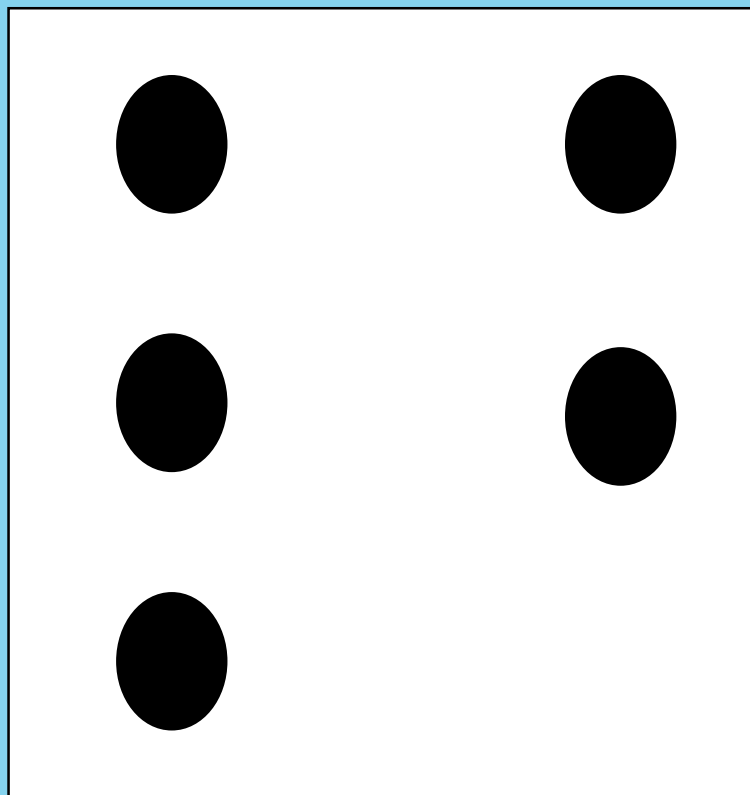
Subitizing: Quick Images

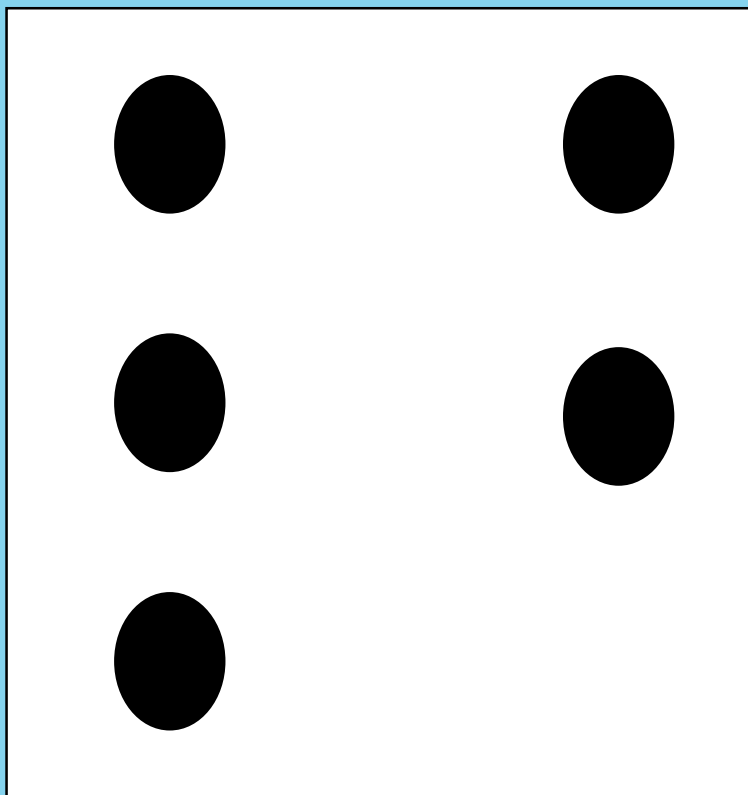


Subitizing is a fundamental skill in the development of students' understanding of number.

Students can use pattern recognition to discover essential properties of number, such as conservation and compensation. They can develop such capabilities as unitizing...

(Baroody, 1987, p. 115)



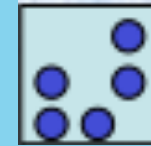


Stages of Subitizing

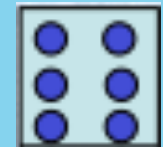
- Familiar designs with up to 5 objects



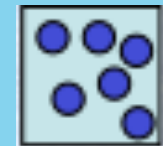
- Unfamiliar designs with up to 5 objects



- Familiar designs with greater than 5 objects



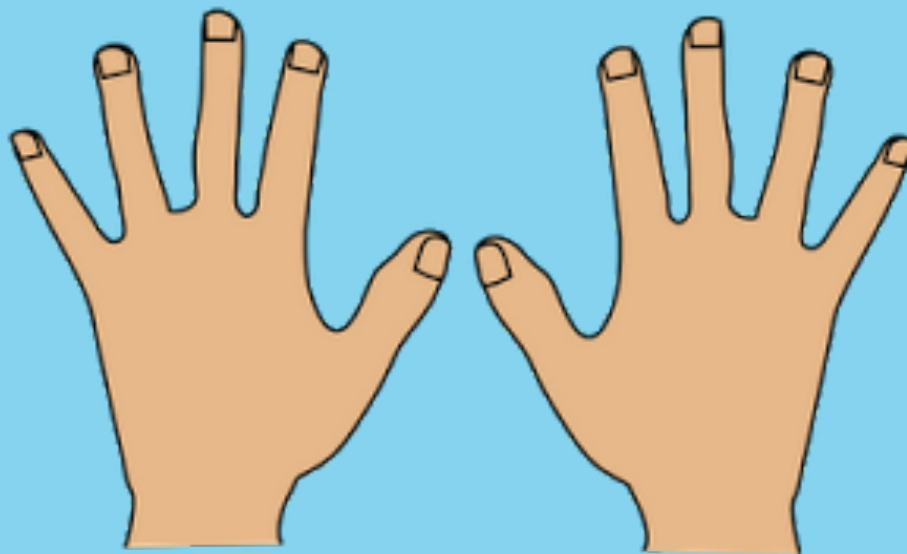
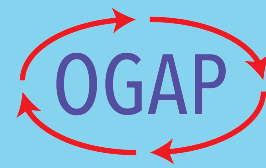
- Unfamiliar designs with greater than 5 objects



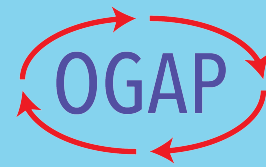
- Arrays and groups of where you see all of the objects

- Arrays where you see only the dimensions

Math Hands

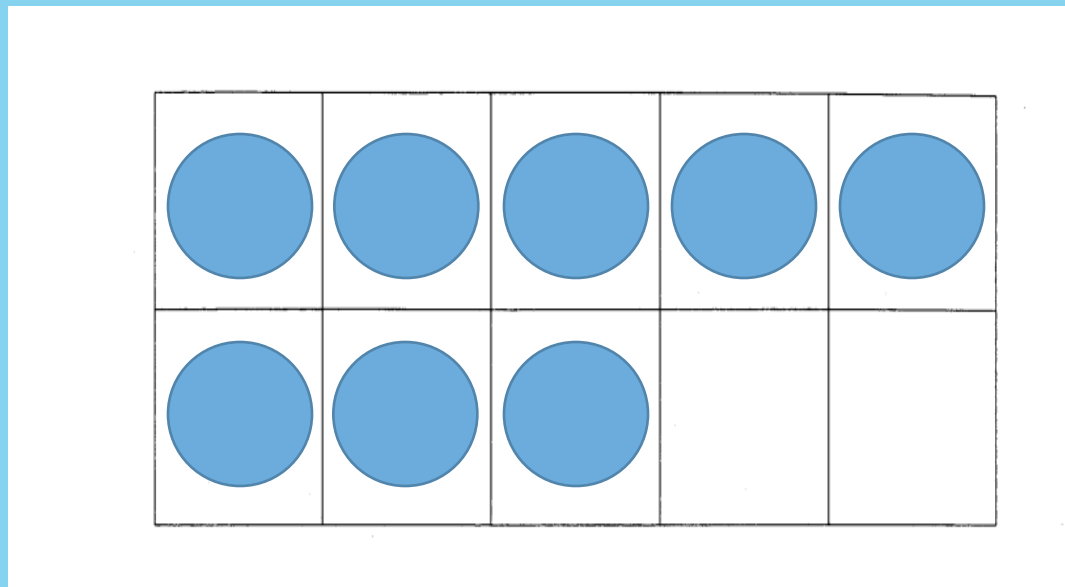


From oral concept formation to mathematical notation

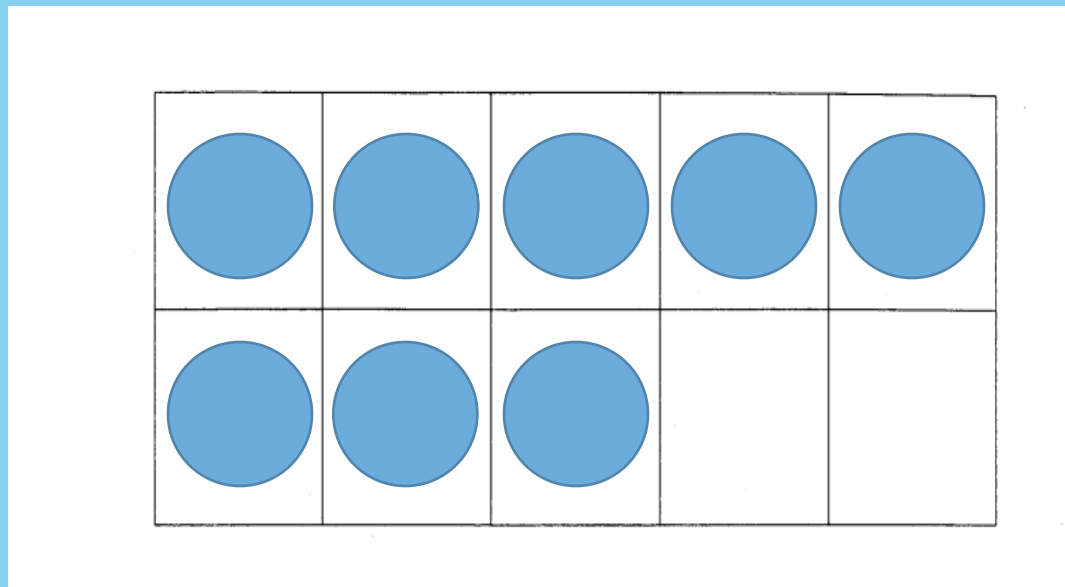


- Students talk about what they see—no mathematical notation by teacher or students
- Students talk about what they see-teacher demonstrates how to record the students' thinking with mathematical notation.
- Students record what they have seen using mathematical notation—then discuss what they saw and how they used notation to represent it.

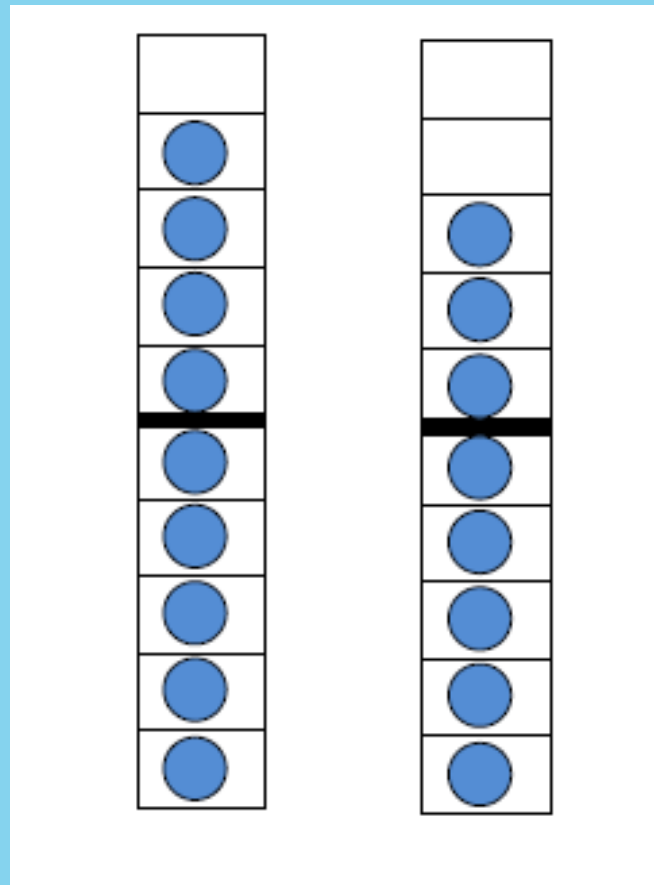
Tens Frames



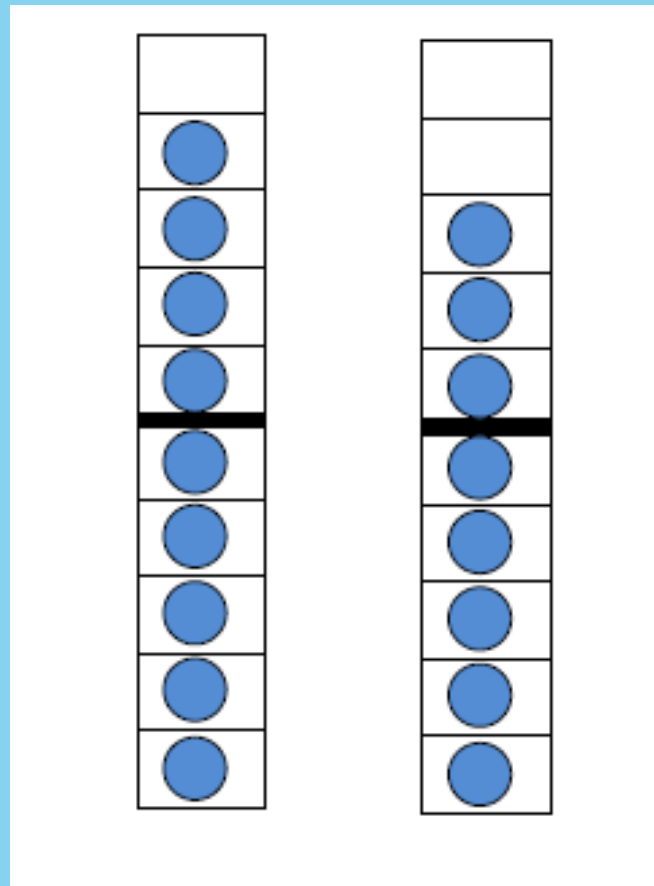
Tens Frames



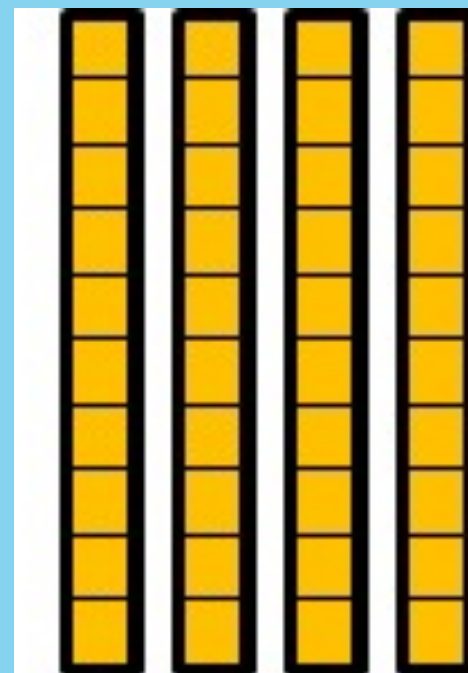
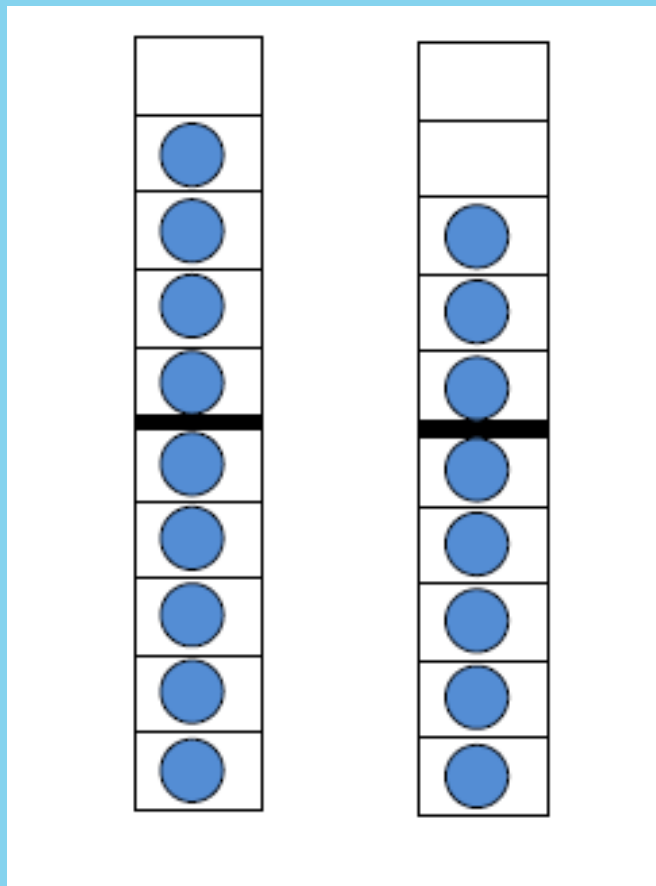
Moving from Tens Frames to Tens Strips

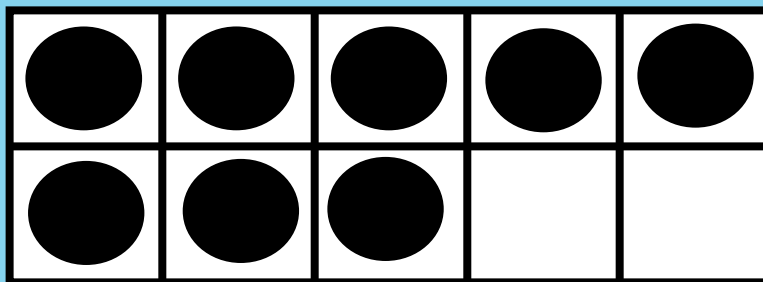
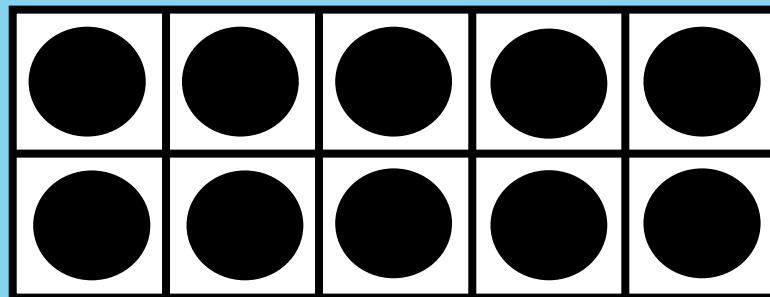
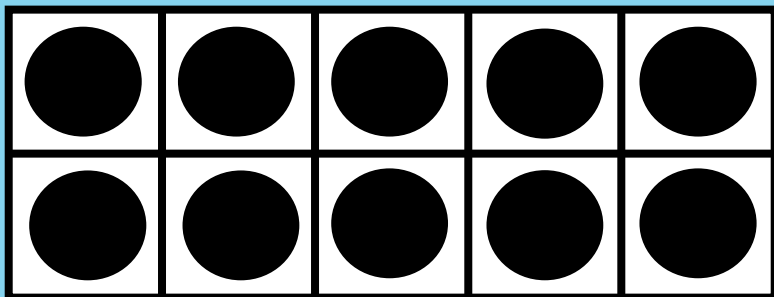
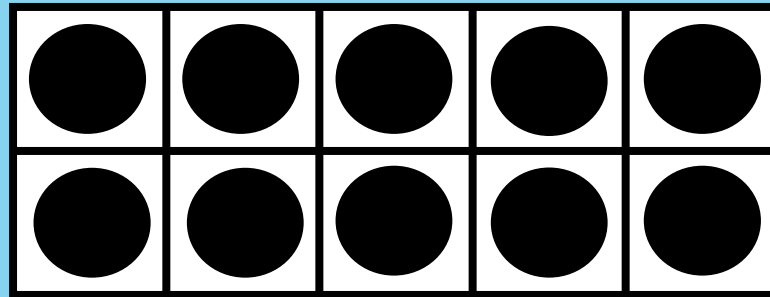
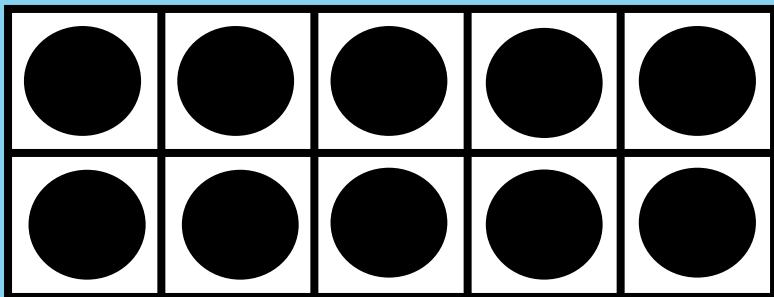


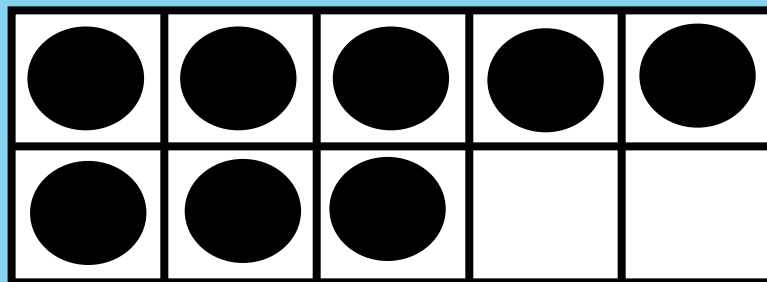
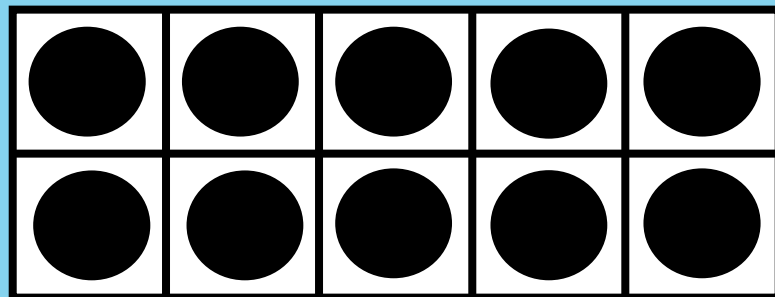
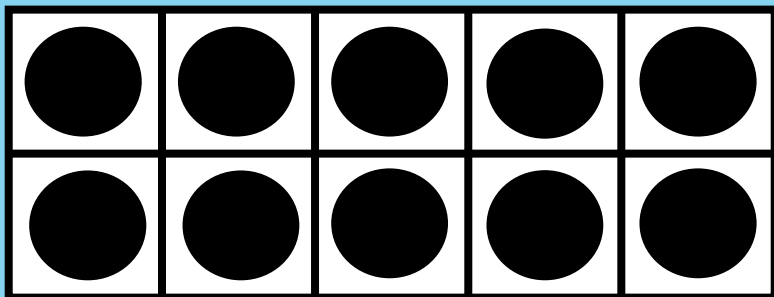
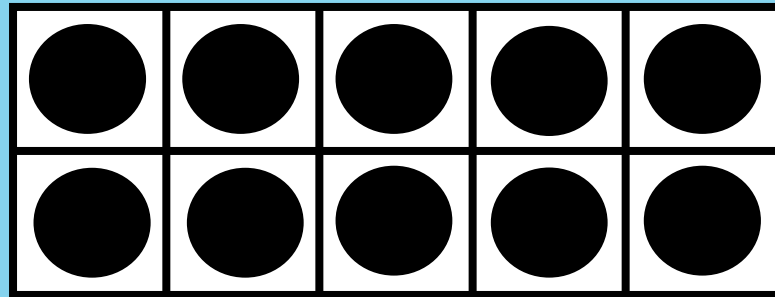
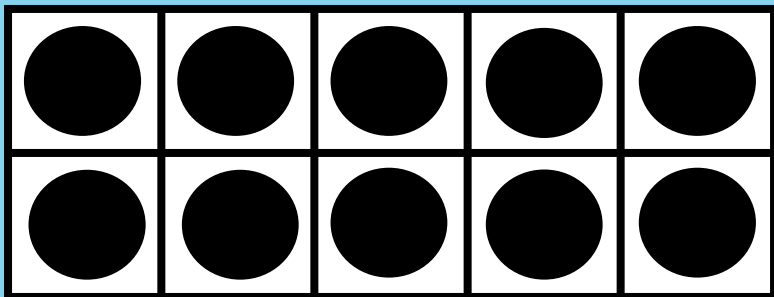
Moving from Tens Frames to Tens Strips



To Base 10 Blocks







Make Your Own Subitizing/ Quick Image Card

1. Fold your cardstock into 16 squares
2. Place 10 dots in the squares—anywhere!
(really, it does not matter)
3. Fold back and forth to loosen up the folds
4. Practice with your neighbor