

# Continuing Learning

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**Level:** K

**Category:** Numeracy

**Title of Lesson:** Getting to 10

**Goals/Objectives:**

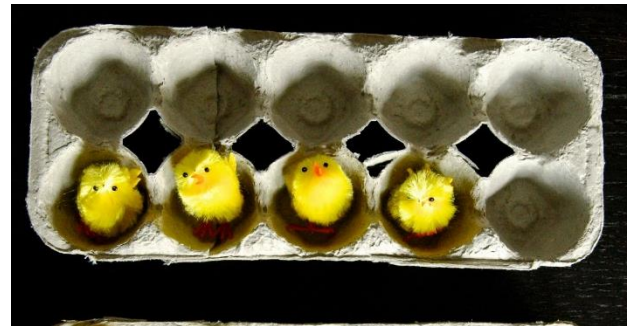
Big Idea: Number represents and describes quantity.

Curricular Content: number concepts to 10

Curricular Competencies: visualizing and representing number; communicating number

**Materials Needed:**

- Any objects around the house that can be counted—toys, beans, crackers, rocks.
- A deck of playing cards
- An egg carton with the last 2 compartments cut off to make a 10-frame



**Task Instructions: (Step by Step)**

Activity 1: Counting—count different collections of objects in the home. Engage children in counting up to 10...extend to 20 or higher.

Activity 2: 10 Frames

Level A: Sort out a set of cards, 1-10 (if using Ace, explain to child that Ace=1). Child draws a card, then places that many objects in a 10 frame to match.

Level B: Child draws a card, fills the 10 frame with that many objects (example: 6 red beads). Then child fills the 10 frame up with a contrasting object (in our example, 4 black beads). Child then finds the card representing 4, and says 6 and 4 makes 10.

Level C: Ten Frame Challenge

I have a horizontal ten-frame that has some counters on it. One row of the frame is full and one is not. What is the largest number I could make? What is the smallest number I could make? (Source: <https://www.openmiddle.com/>)

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Activity 3: 5-Sum-Memory Game (Source:

<https://mathforlove.com/>)

Materials: Playing cards

- Create a deck from 4 ones or aces, 4 twos, 4 threes, and 4 fours.
- Deal out the cards face down.
- Players take turns turning two cards face up.
- If a player turns a pair upward and that pair sums to 5, the player puts that pair of cards in their stash and plays again.
- If the upward pair does not sum to 5, the player turns the cards back face down, and the next player moves.
- The game ends when the cards are all claimed. Whoever has the most cards wins.

10-Sum-Memory Game (Source: <https://mathforlove.com/>)

- Materials: Playing cards
- As above but the deck consists of 2 ones or aces, 2 twos, 2 threes, 2 fours, 2 fives, 2 sixes, 2 sevens, 2 eights, and 2 nines, and the target sum is 10 instead of 5.

## Adaptations/Adjustments: (consider different environments)

-Cut the egg carton down to 5 and start with counting and adding to 5



-Go outside, make a 10 frame of sticks or a cloth 10 frame (photo from Juliet Robertson), use objects found in nature to make 10's or count

## Extensions (Optional):

-Count two different collections of objects. Draw your collections on a piece of paper and label how many are in each collection.

-Extend activities to 20 and beyond.