

## Mathematics

# 1-3 Counting & Number Match

- Subject:** Mathematics
- Topic/Unit of Study:** Counting
- Objective:** Working on counting physical objects.

### Summary

Students count beans and then match the count to a number on the mat.

### Procedure

Fill a sock or other container with beans or other objects that are all the same (marbles, coins, counting bears, beads, etc.). Students take a handful of objects from the sock or container and count them. They then locate the matching number on a number line mat or the card mat with numbers displayed on it. Once the number is located the student navigates the Bee-Bot to the correct number on the mat.

### Differentiated Instruction

For advanced students, this activity may include more objects and higher numbers (0-100).

For struggling students, use smaller sets of objects to begin and then build to a larger numbers.

- Collaboration:** Students work collaboratively in small groups.
- Time Allotment:** Multiple class periods, as needed. Time should 10-20 minutes.
- Resources:**
- Sock or similar container
  - Beans or another set of objects to count
  - Number line mat or card mat
  - Number cards 0-9 (01-01\_0to9.pdf)
  - Number cards 1-24 with names (01-01\_NumberAndName.pdf)

### Standards

NCTM Standards (National Council for Teachers of Mathematics)

- Subject: MATHEMATICS
- Grade Level: GRADE K
- Content Standard 1: NUMBER OPERATIONS AND CONCEPTS: Students use numbers, number sense, and number relationships in a problem-solving situation.

Benchmark 4: Students count with understanding up to 21 objects to solve problems.

Benchmark 1: Students use the concept of place value to read and represent numbers up to 99.

ISTE: National Educational Technology Standards for Students: The Next Generation

- Standard: 3. Research and Information Fluency- Students apply digital tools to gather, evaluate, and use information.  
Indicator: Students: d. process data and report results.
- Standard: 4. Critical Thinking, Problem-Solving & Decision-Making- Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources.  
Indicator: Students: d. use multiple processes and diverse perspectives to explore alternative solutions.
- Standard: 6. Technology Operations and Concepts- Students demonstrate a sound understanding of technology concepts, systems and operations.