

Montessori Math Lesson: Introduction to Numbers (1-10)

Age Group: 3-year-olds

Materials:

- Montessori Sandpaper Numbers (1-10)
- Small tray with fine sand or a sandpaper board
- Counting objects (e.g., small wooden beads, buttons, or pom-poms)
- A work mat

Objectives:

- Introduce numbers 1-10 using a multisensory approach.
- Help children associate number symbols with their spoken names.
- Develop fine motor skills through tracing and counting.
- Lay the foundation for numerical order and one-to-one correspondence.



Lesson Presentation: Montessori Three-Period Lesson

Step 1: Naming the Numbers (Introduction)

1. Invite the child to the work area and introduce the Sandpaper Numbers.
2. Pick up the number "1" and say, "This is one." Trace the number with two fingers while saying its name. Encourage the child to do the same.
3. Repeat the process for numbers 2 and 3 (limit the introduction to three numbers at a time).

Step 2: Recognizing the Numbers (Association)

1. Place the three introduced numbers in front of the child.
2. Say, "Point to one," "Point to two," or "Point to three."
3. Ask the child to trace the number while saying its name.

Step 3: Recalling the Numbers (Recall)

1. Hold up a number and ask, "What number is this?"
2. If the child answers correctly, introduce the next numbers. If they struggle, repeat the previous steps.



Extension Activity: Counting with Objects

1. Place counting objects (e.g., small beads) next to each Sandpaper Number.
 2. Ask the child to count out the same number of objects as shown on the number card.
 3. Reinforce one-to-one correspondence by having the child touch each object while counting aloud.
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Control of Error:

- The tactile nature of Sandpaper Numbers guides proper number formation.
- Self-correction occurs as the child matches numbers with the corresponding quantity.

