

This book shows how people see and use numbers throughout their everyday lives. The real-life examples demonstrate the many different ways that numbers hold meaning and show quantity.

CORE SKILL OBJECTIVES

INTENTIONAL TEACHING PRACTICES

Children will:

Teachers will:

THINK-MATH



- ◆ Understand that number words refer to quantity
- ◆ Understand that the last number represents how many objects are in a group

- ◆ Label numbers and cardinality

TEACHING TIP

Numbers give us a way to describe the world around us. Skills involving numeracy set the foundation for other areas of math. As children begin to understand counting, they also begin to recognize that written numbers represent quantities. Children are also starting to understand cardinality – that the last number represents how many objects are in a group. Give children many opportunities throughout the day to recognize different numbers in their environment and summarize how many total objects are in front of them.

1. INTRODUCE

- ◆ “Numbers that are written can tell us so much. Numbers can show our shoe or shirt sizes, who won a race, or even what day it is on our calendar. Today we’re going to look for numbers in the book *I Know Numbers*. Let’s talk about what these numbers mean as we read.”

2. READ THE BOOK

- ◆ Pause occasionally to label numbers that appear in the pictures.
- ◆ Ask children to summarize amounts to incorporate cardinality – that the last number tells how many.

Label Numbers and Cardinality

Read: “And numbers show where buses go.”

Label: “The 5 on the bus means that the bus is going to the fifth bus stop. That means there were 1, 2, 3, 4 stops before.”

Read: “Numbers help us know who wins.”

Label: “The numbers of the flags show the order that the children finished the race. The child that is close to the number one flag won the race.”

Ask: “Which child is holding the number 2?”

Read: “We use numbers to play games.”

Label: “These numbers show how far the children are in their game.”

Ask: “How many children are playing the game? The number we count last tells how many. Let’s see – 1, 2, 3. There are 3 children playing.”

3. REVIEW

- ◆ “Today we saw numbers that have different meanings. We also counted some of the things we saw in the pictures, and noticed that the last number we counted told us the total!”

4. KEEP IT GOING

- ◆ Point out numbers in the environment throughout the day. Explore with children what the numbers that are inside, outside, or on different materials mean. Additionally, give children the chance to count and try out cardinality on their own. Model this for them, and encourage them to summarize when they’re done counting (e.g., “I heard you count 6 blocks. How many blocks are there here?”).