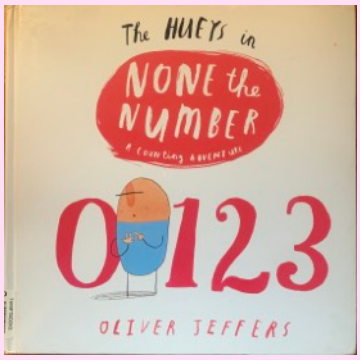


AUTHOR:

Oliver Jeffers

"How many lumps of cheese do you see just there?" "I don't see any." "That's because there are none!" Follow along as the Huey characters talk about the value of none.

Ages: 3 to 5 years

Interest Level: Preschool to Kindergarten

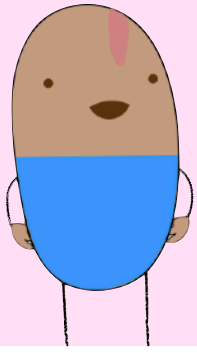
ATOS Reading Level: 1.4

Lexile: Not available

ISBN: 9780399174162

Genre: Fiction

Classification: Picture Story Book



None the Number

Is none a number?

Topics: cardinality, number sense, zero, none

Math Connections: Use *None the Number* to introduce the concepts of zero and none. Zero is a more abstract idea than other numbers because there is nothing to count. Children may find it easier to understand zero if you introduce it after they have learned numbers one through five. In the story, the Hueys count one phone, two night's sleep, three chairs, four tantrums, five hats, six fishermen, seven oranges, eight party guests, nine sea gulls, and ten trumpeters. All together these things make quite a spectacle, but if you take them all away you've got none. Talk with your child about the picture that shows all of the things that have been counted. Ask them how that picture is different from the next page. Talk with your child about how that picture describes the idea of none or zero. Understanding zero will help children when they start to add and subtract. It's important for them to understand that when you add or subtract zero, it does not change the number of items in the original group.

After reading, explore quantities of 0 to 10. For example, place 10 objects into 3 groups of different quantities. What happens when you create different size groups with the objects? Do you still have 10 objects? Consider what happens to the total number of objects if you add no objects? What happens to the total number of objects if you take no objects away?

Play with blocks together and count how many blocks you have in total. Sort the blocks into different size groups. Count the different amounts in each group when sorting. How many are left when you put some away or hide some? If you hide all the blocks, how many are left?

Extension Questions:

1. What does it mean if you say, "Carlos has three carrots, Maggie has none?" Could you count Maggie's carrots? Why or why not?
2. What happens when you take away items from a group? What happens when you add items to a group?
3. What happens when you add zero to another number? What happens when you subtract zero from a number?

Vocabulary for Building Math Concepts	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, all-together, any, eight, every, five, four, less, many, more, nine, none, number, one, seven, six, ten, than, three, two
Vocabulary for Extending Math Concepts	cardinality, zero
Vocabulary for Reading Comprehension	collection, balanced, lumps, spectacle, tantrums, trumpeters

Early Math Project Resources:

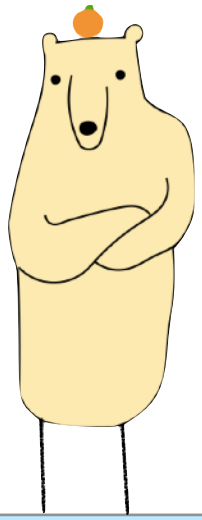
Exploring Zero

Exploring Zero (Spanish)

Number Cards

Online Resources:

Teaching Kids about Zero



Age Level	Related Preschool Foundations and CA State Standards
Preschool/ TK	**Number Sense** **1.0** Children begin to understand numbers and quantities in their everyday environment. **1.5** Understand, when counting, that the number name of the last object counted represents the total number of objects in the group (i.e., cardinality). **2.2** Understand that adding to (or taking away) one or more objects from a group will increase (or decrease) the number of objects in the group.
Kindergarten	**Counting and Cardinality** **K.CC.1** Know number names and the count sequence. **K.CC.4** Count to tell the number of objects. **Operations and Algebraic Thinking** **K.OA.1** Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

Spanish Title: Not available

Related Books: *Zero the Hero* by Joan Holub, *A place for zero* by Angeline Sparagna LoPresti, *Zero* by Kathryn Otoshi

Find this book at your local library: https://www.worldcat.org/title/hueys-in-none-the-number/oclc/964917350&referer=brief_results