

## SHOES, SHOES, SHOES

*Plaid, flowered, buckles and laces, shoes have so many different attributes! Help us sort and investigate the world of shoes.*

### Big Idea

Children will be able to count and sort with different kinds of shoes.

### Standards

CCSS.MATH.CONTENT.K.MD.B.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count	Students will sort shoes into different categories and count how many are in each group to determine which group has the most vs. least.
IELDS 10.B.ECa Organize, represent, and analyze information using concrete objects, pictures, and graphs, with teacher support.	Students will organize the shoes and analyze their attributes using real shoe objects.
IELDS 1.E.ECe With teacher assistance, use adjectives to describe people, places, and things	Students will use adjectives to describe the shoes.

### Materials

- Shoes (family shoes, classroom shoes, shoes from the store)
- Book: Who's Shoes by Stephen R. Swinburne

### Setup

For the activity, you just need a clear space such as a table or carpet. If using the shoes children are wearing, collect the shoes before beginning the activity.

### Directions

1. Begin by reading book: Who's Shoes? By: Stephen R. Swinburne. During the book discuss with children the different characteristics the shoes have in the book (color, design, size, etc.).
2. Show children the pile of shoes and ask, "How could we put these shoes into two groups?"
3. After sorting the shoes, ask "Which group has more shoes? How can we find out?"
4. After counting shoes with students ask if there is another way to sort the shoes. Students can continue to sort into binary groups, or multiple attribute groups, or even try lining the shoes up and doing an ordinal sort.

*Investigation Questions: What do you notice about the shoes? Are all the shoes the same color? How do we tighten the shoes? Are the shoes all the same size? Are the bottoms of the shoes the same? How are the shoes different or the same? What is inside the shoes? What should we call this shoe group? What do we have the most of (biggest group)? What do we have the least of (smallest group)? Where else might we see shoes?*