



Peek-A-Dino

INSTRUCTOR GUIDE



Math Talk

Child Vocabulary:

Math Vocabulary

Sort

Age-Appropriate Definition

“Grouping based on similarities.”

Hand Motion

Make a fist with each hand.



Adult Vocabulary:

Math Vocabulary

Subitize

Definition

“Immediately know how many objects there are without having to count.”

Self-Talk: is when you narrate your own actions. Here are some examples of how to use self-talk to practice subitizing:

- » When at the grocery store say, “I have 5 apples in my cart. I saw 3 apples and 2 apples, so I know I have 5 all together.”
- » When getting dressed say, “My coat has 7 buttons. I know that because I saw 4 buttons on top and 3 on bottom, so there are 7 buttons in all.”

Parallel-Talk: is when you narrate the child’s actions. Here are some examples of how to use parallel-talk to practice subitizing:

- » When getting dressed, “I noticed that when I asked you to grab your shoes you knew to grab 2 shoes —one for each foot! You didn’t even have to count!”
- » When eating, “I see that when I told you that you could have 4 crackers, and you took 4 without even having to count!”



Book Recommendation:

Ten Black Dots by Donald Crews

Song Recommendation:

Appy Tappety Choo

Build

Teaching Strategies GOLD Alignment

20b Quantifies

(Yellow, Green, Blue, and Purple)

Demonstrates an understanding of the concepts of one, two, and more. Recognizes and names the number of items in a small set (up to 5) instantly. Makes sets of 6-10 objects and then describes the parts.

13 Uses Classification Skills

(Orange, Yellow, Green, Blue, Purple)

Matches similar objects. Places objects in two or more groups based on differences in a single attribute (color, size, or shape). Groups objects by one attribute, then regroups them using a different attribute and indicates the reason. Groups objects by more than one attribute at the same time and switches and explains sorting rules when asked.

Play and Connect

Here are some ideas for continuing to play and learn about subitizing!

In The Classroom:

- » Give each child a set of 5 blocks (or use another small item). Tell students that you are going to put out a specific number of blocks and then quickly cover them. Allow children an opportunity to try to put out the same number of blocks to match your hidden set. Once students create their set, reveal the hidden set again. Compare the sets they made to the hidden set.
- » Practice rolling a die and seeing if students can tell you what you rolled without counting.

At Home Visits:

- » Have parents put a specific number of food items on their child's plate. Have the parent show their child the plate, and then quickly cover it with a napkin. They may ask their child, "How many items were on my plate?" Have them try again with a different number of food items.
- » When cleaning up encourage parents to ask their child, "Can you tell me how many shoes are left out?" Have them see if their child can tell them how many without having to count. Have them try again with a new item that they are cleaning up.

TS GOLD ALIGNMENT

Game Level	Name/Description
 Seed 2 Years	Small Collection Namer A child can name groups of 1 to 2, sometimes 3. When shown a pair of socks says, "Two socks."
 Sprout 3 Years	Nonverbal Subitizer When shown a small collection briefly, a child can create a matching set. When shown 3 rocks and then they are quickly hidden, the child can create a matching set of 3 items, but may not be able to say, "There are 3 items."
 Sprout 4 Years	Maker of Small Collections A child can nonverbally make a small collection (1-5) with the same number as another collection.
 Sprout 4 Years	Perceptual Subitizer to 4 A child instantly recognizes collections up to 4 when they are shown briefly. Child verbally names the number of items. When quickly shown 4 objects says, "four."
 Bloom 5 Years/ Kinder	Perceptual Subitizer to 5 A child instantly recognizes collections to 5 when they are shown briefly. Child verbally names the number of items. When quickly shown 5 objects says, "five."
 Bloom 5 Years/ Kinder	Conceptual Subitizer to 5+ A child can verbally name any arrangement of 5+ items when shown briefly. A child can say, "I saw 2 and 1, and so I saw 3."
 Bloom 5 Years/ Kinder	Conceptual Subitizer to 10 A child can verbally name most arrangements up to 6 items, then up to 10 items, using groups. A child may say, "I saw two groups of 3 and one more, so 7."

Learn more about playing math at
www.zenomath.org/partner-resources/