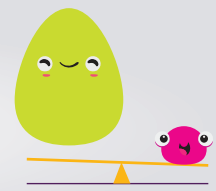


Balance It!

INSTRUCTOR GUIDE



Math Talk

Child Vocabulary:

Math Vocabulary

Balance Scale

Predict or Estimate

Age-Appropriate Definition

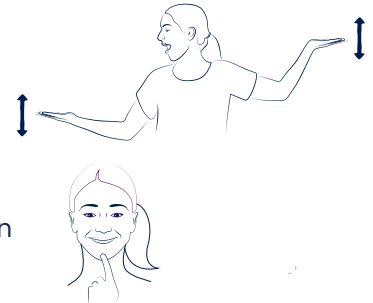
"A tool to weigh things"

"Best guess"

Hand Motion

Hold both hands out flat and move up and down

Touch finger to chin



Adult Vocabulary:

Math Vocabulary

Non-Standard vs. Standard Units of Measurement

Definition

Nonstandard units are units of measurement that aren't typically used (paper clips, blocks, hands, etc.). Standard units are units of measurement that are typically used within a measurement system (inch, feet, pound, gram, etc.).

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

- » At the grocery store, "I need to weigh the bananas to find out how much they will cost. They weight 1 pound!"
- » While cooking, "I need 2 cups of water and 1 cup of rice. Here is 1, 2 cups of water. And here is 1 cup of rice!"

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

- » When building a tower say, "I see you put the biggest and heaviest blocks on the bottom and the smaller and lighter blocks on the top."
- » When playing in the bath or at the water table, "You poured four cups of water into the big container to fill it up!"

Build

Teaching Strategies GOLD Objective:

22 Compares and Measures:

(Yellow, Green, Blue, Purple) Makes simple comparisons between two objects. Compares and orders a small set of objects according to size, length, weight, area, or volume.

Uses multiple of the same unit to measure; knows the purpose of a standard measuring tool. Uses measurement words and some standard measurement tools accurately.



Book Recommendation:

On the Scale, a Weighty Tale
by Brian P. Clearly

Song Recommendation:

Heavy and Light
by Elmo and Telly
of Sesame Street

Play and Connect

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

In The Classroom:

- » As students enter the classroom, help them to use a piece of string to measure themselves. Have a child hold the string to the top of their head and cut it near their feet. During morning meeting, have students compare their heights. Ask students to order themselves from tallest to shortest using their strings. Help students to put themselves in order.
- » In the science center set out a balance scale and several items from nature (leave, stick, rock, acorn, etc.). Ask the students to compare the weights of the objects and talk about which ones were the heaviest or lightest.

At Home Visit:

- » Let the child help to make a recipe. Show the child how you measure the food as you cook it. Let them try to measure!
- » At the sink or in the bath, provide the child with cups of different sizes. Let them see how many cups it takes to fill up a container. Estimate and talk about which cup can hold the most water.

Learn more about playing math at
[Zenomath.org/partner-resources/](https://zenomath.org/partner-resources/)

TS GOLD ALIGNMENT

Game Level

Name/Description



Seed

2 Years

Perceptual Comparer

Makes simple comparisons between two objects that are very different in size. Holds a rock and a feather and says the rock is heavier.



Sprout

3 Years

Small Set Comparer

Compares and orders a small set of objects according to size, length, weight, area, or volume. Puts three objects in order from lightest to heaviest.



Sprout

4 Years

Non-Standard Measurer

Uses multiples of the same unit to measure objects. Says, "the eraser weights two wooden blocks."



Bloom

5 Years/Kindergarten

Early Standard Measurer

Uses measurement words and some standard measurement tools accurately. Says, "If I add two more blocks to this side of the scale they will be the same."