

Instructional Routines in Mathematics

Counting Collections

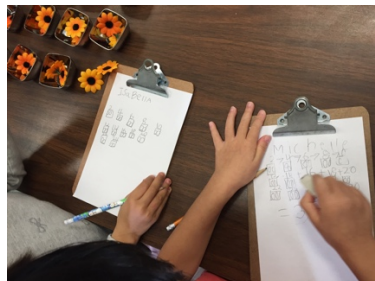
Overview

Counting Collections is an instructional routine during which a pair of students choose a collection of objects to count, choose different ways to count their collection and record and share their count.

The routine is connected to the decades of research behind Cognitively Guided Instruction. It is a routine that focuses on children's mathematical thinking and is rooted in social constructivism and thus, usually involves students thinking, talking and doing math together in pairs.

Depending on the age and experience of the students, collections range from 10 objects to collections in the hundreds. Tools to support counting can be provided, such as ten frames, cups, bowls and small plates.

After counting their collection in multiple ways, students can record their count on a large whiteboard (math graffiti board), mini whiteboards, on a blank piece of paper or on a structured recording sheet.



Resources

tedd.org: visit Content Areas, Mathematics and click on Counting Collections to find planning resources, tips and videos.

Richmond School District counting collections blog posts:

<https://blogs.sd38.bc.ca/sd38mathandscience/2016/10/18/introducing-counting-collections-in-kindergarten/>

<https://blogs.sd38.bc.ca/sd38mathandscience/2015/11/03/counting-collections/>

<https://blogs.sd38.bc.ca/sd38mathandscience/2017/01/03/extending-counting-collections/>

Choral Counting and Counting Collections: Transforming the preK-5 Classroom by Megan L. Franke, Elham Kazemi, & Angela Chan Turrou

Counting Collections

What did you count?	How many?
Show how you counted:	