

Lesson 10: Introduce the 10-frame

Standards Alignments

Addressing K.CC.B, K.CC.B.5, K.OA.A.4

Teacher-facing Learning Goals

- Recognize a 10-frame as being composed of two 5-frames.

Student-facing Learning Goals

- Let's make and use 10-frames.

Lesson Purpose

The purpose of this lesson is for students to understand the 10-frame as 2 combined 5-frames and to relate the 10-frame to fingers on two hands.

In previous lessons and units, students represented numbers 1–10 on 5-frames. The structure of the 5-frame encouraged students to see numbers 6–9 in relation to 5. In this lesson, students create a 10-frame and begin to see numbers 1–9 in relation to 10. This lesson also connects the 10-frame with fingers on 2 hands. With repeated experience, students may be able to recognize quantities on a 10-frame without counting, or by counting on from 5 (MP7, MP8).

The 10-frame will be an important tool in upcoming lessons as students compose and decompose 10 in multiple ways and find the number that makes 10 when added to a given number.

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Gather

- Glue: Activity 1
- Materials from previous centers: Activity 3
- Scissors: Activity 1
- Two-color counters: Activity 2

Materials to Copy

- 5-Frames to Cut Out (groups of 1): Activity 1
- Numbers on Fingers and 10-frames (groups of 1): Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	10 min
Activity 3	20 min
Lesson Synthesis	5 min

Teacher Reflection Question

In the next several lessons, students will find different ways to compose and decompose 10. The structure to the 10-frame can help students organize and understand these compositions and decompositions. How does organizing the counters on the 10-frame from left to right, top to bottom support this work?

Cool-down (to be completed at the end of the lesson)

 0 min

Unit 5, Section C Checkpoint

Standards Alignments

Addressing K.OA.A.4

Student-facing Task Statement

Lesson observations

Student Responses

- Recognize that a full 10-frame contains 10 counters and that 2 hands have 10 fingers.