

Lesson 4: Sums of 10

Standards Alignments

Addressing 1.OA.B.3, 1.OA.C.5, 1.OA.C.6, 1.OA.D.7, 1.OA.D.8

Teacher-facing Learning Goals

- Look for and make use of patterns in addition expressions that have a sum of 10.

Student-facing Learning Goals

- Let's find all the ways to make 10.

Lesson Purpose

The purpose of this lesson is to build toward fluency within 10 by looking for and making use of patterns in sums that have a value of 10.

In a previous lesson, students found different expressions with the same value. In this lesson, students write different expressions that equal 10. They try to find all of the ways to decompose 10. Knowing all decompositions of 10 will be helpful later when students add and subtract within 20. For example, when students find the sum of $9 + 5$, they can decompose 5 into 1 and 4 to make a ten ($9 + 5 = 9 + 1 + 4 = 10 + 4$.) In the first activity, students play Shake and Spill to identify expressions that equal 10. In the second activity, students find all the ways to make 10 and share how they know they found all of the ways.

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR8 (Activity 2)

Instructional Routines

True or False (Warm-up)

Materials to Gather

- 10-frames: Activity 2
- Crayons: Activity 2
- Cups: Activity 1
- Materials from previous centers: Activity 3
- Two-color counters: Activity 1, Activity 2

Materials to Copy

- Shake and Spill Stage 3 Recording Sheet
Grade 1 (groups of 1): Activity 1

Lesson Timeline

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

Teacher Reflection Question

Reflect on how easily students found different ways to make 10 and which ways they know from memory. How prepared are students to make 10 in order to add within 20 in an upcoming section. In what other ways can you offer practice that will help prepare students for this work.

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

 0 min

Unit 3, Section A Checkpoint

Standards Alignments

Addressing 1.OA.C.6

Student-facing Task Statement

Lesson observations

Student Responses

- Know certain sums.
- Use known sums to adjust expressions and find the sum or difference.