

Lesson 18: Patterns in Addition

Standards Alignments

Addressing 1.OA.C.6, 1.OA.D.8

Teacher-facing Learning Goals

- Look for and use patterns in addition expressions to add within 20.
- Make a ten to find the sum of two numbers within 20.

Student-facing Learning Goals

- Let's look for and use patterns to help us add within 20.

Lesson Purpose

The purpose of this lesson is for students to find expressions equivalent to $10 + n$ expressions. Students then look for patterns in the expressions.

In the previous lesson, students discussed how making a ten can help them find the value of expressions in which one addend is close to 10. In this lesson, students continue to add two addends within 20, focusing on how making a ten can help them add. In the first activity, students match addition expressions to their equivalent $10 + n$ expression. In the second activity, students participate in a Gallery Walk, noticing patterns between expressions that represent a sum. In each activity, students have access to double 10-frames and two-color counters as they explore patterns they notice.

Access for:

Students with Disabilities

- Action and Expression (Activity 2)

English Learners

- MLR7 (Activity 1)

Instructional Routines

How Many Do You See? (Warm-up), MLR7 Compare and Connect (Activity 2)

Materials to Gather

- Connecting cubes or two-color counters: Activity 1
- Double 10-frames: Activity 1
- Materials from previous centers: Activity 3

Materials to Copy

- Compare Stage 2 Addition Cards to 20 (groups of 2): Activity 1

- Tools for creating a visual display: Activity 2

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

As students worked in their small groups today, whose ideas were heard, valued, and accepted? How can you adjust the group structure tomorrow to ensure each student's ideas are a part of the collective learning?

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

 0 min

Unit 3, Section C Checkpoint

Standards Alignments

Addressing 1.OA.C.6

Student-facing Task Statement

Lesson observations

Student Responses

- Count on to find the sum.
- Make 10 to find the sum.
- Use known sums to adjust addends to find the sum.
- Apply the “add in any order property” to find the sum.
- Know certain sums.