

# Lesson 10: Addition and Subtraction with a Ten

## Standards Alignments

Addressing 1.NBT.B.2.b, 1.OA.A.1, 1.OA.B.4, 1.OA.C.6, 1.OA.D.8

### Teacher-facing Learning Goals

- Find the value that makes an equation true where the total is a teen number.
- Use the relationship between addition and subtraction to find missing values.

### Student-facing Learning Goals

- Let's add and subtract with teen numbers.

## Lesson Purpose

The purpose of this lesson is for students to find the value that makes an equation true when one value is a teen number and one is a ten.

In the previous lesson, students found the value that made addition equations true when one addend was 10. In this lesson, students find the missing value in story problems and addition and subtraction equations. They may find the missing value in any way that makes sense to them. In the syntheses, students discuss how the relationship between addition and subtraction is helpful when finding missing values.

### Access for:

#### Students with Disabilities

- Action and Expression (Activity 2)

#### English Learners

- MLR6 (Activity 1)

## Instructional Routines

Number Talk (Warm-up)

### Materials to Gather

- Connecting cubes or two-color counters: Activity 1, Activity 2
- Double 10-frames: Activity 1, Activity 2

## Lesson Timeline

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

## Teacher Reflection Question

How did the student work you selected impact the direction of the discussion? What student work might you pick next time if you taught the lesson again?

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

 5 min

What's Missing?

### Standards Alignments

Addressing 1.NBT.B.2.b, 1.OA.D.8

### Student-facing Task Statement

Find the number that makes each equation true.

1.  $16 - 10 = \square$

2.  $19 = 10 + \square$

3.  $17 - \square = 7$

Choose one equation.

Show your thinking using drawings, numbers, or words.

### Student Responses

6. Sample response: I know 16 is  $10 + 6$ . If I subtract 10, then I have 6 left.
9. Sample response: I know that 19 is made of a ten and 9 ones.
10. Sample response: I know 17 is  $10 + 7$ . So I know if I have 17 I have to take away 10 to get 7.