

Lesson 11: Add Tens to Two-digit Numbers

Standards Alignments

Addressing 1.NBT.B.2, 1.NBT.B.2.c, 1.NBT.C.4

Teacher-facing Learning Goals

- Add a two-digit number and a multiple of 10.

Student-facing Learning Goals

- Let's add tens to two-digit numbers.

Lesson Purpose

The purpose of this lesson is for students to add a two-digit number and a multiple of 10.

In previous lessons, students added and subtracted multiples of 10 from other multiples of 10. In this lesson, students reason about the value of expressions where both addends are two-digit numbers; one addend is a multiple of 10 and the other is not. Students use and explain methods that make sense to them and show what they understand about what the two digits in a two-digit number represent (MP3, MP7).

This lesson has a Student Section Summary.

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

- Connecting cubes in towers of 10 and singles: Activity 1, Activity 2

Lesson Timeline

Warm-up

10 min

Teacher Reflection Question

What methods did your students use to add tens to two-digit numbers? Which methods surprised you, and which did you expect?

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

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

 5 min

Add Tens

Standards Alignments

Addressing 1.NBT.C.4

Student-facing Task Statement

Find the value of each sum.

1. $34 + 40$
2. $50 + 41$
3. $62 + 20$
4. Pick an expression from above.
Show how you found the value using drawings, numbers, or words.

Student Responses

1. 74
2. 91
3. 82
4. Sample response: I counted on 2 tens from 62. I said 72, 82. I know only the tens place changes.