

Lesson 5: Another Addition Algorithm

Standards Alignments

Addressing 3.NBT.A.2, 3.OA.D.9

Teacher-facing Learning Goals

- Relate written algorithms to each other using place value understanding.

Student-facing Learning Goals

- Let's learn another algorithm to add.

Lesson Purpose

The purpose of this lesson is for students to use an addition algorithm that records a single digit for the sum for each place value position and a 10 or 100 for a newly composed ten or hundred.

In this lesson, students learn an addition algorithm in which a single digit is recorded for the sum of each place value position. Students relate this algorithm to an algorithm they worked with in the previous lesson. Students also learn a method for recording a newly composed ten or hundred as a 10 or 100 above the addends. Students recognize that the new algorithm and new method of recording newly composed tens or hundreds are based on the idea of adding units by place value.

Access for:

Students with Disabilities

- Action and Expression (Activity 1)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Lesson Timeline

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

Teacher Reflection Question

Think about times when students were able to make connections to and build on the ideas of their peers during discussions today. What norms or routines allowed students to engage with other students' ideas?

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

🕒 5 min

Use an Algorithm for Addition

Standards Alignments

Addressing 3.NBT.A.2

Student-facing Task Statement

Use an algorithm of your choice to find the value of $365 + 182$.

Student Responses

547. Students can use any of the three addition algorithms learned so far.