Lesson 21: Classroom Supplies (Optional)

Standards Alignments

Addressing   3.NBT.A.1, 3.NBT.A.2
Building Towards   3.NBT.A.1, 3.NBT.A.2

Teacher-facing Learning Goals

- Add and subtract within 1,000 to solve real-world problems.
- Round whole numbers to the nearest ten or hundred to solve problems.

Student-facing Learning Goals

- Let's make a wish list for class supplies.

Lesson Purpose

The purpose of this lesson is for students to use their understanding of estimation, rounding, and addition within 1,000 to solve a problem about a class wish list.

This lesson is optional because it does not address any new mathematical content standards. It does provide students with an opportunity to apply precursor skills of mathematical modeling.

In this lesson, students put together a wish list of supplies they would like to get for their classroom given a large collection of choices and their costs. They are given a budget and freedom to decide how to spend the money. As they make choices, students round the costs before they check the total amount they are spending. Students then compare their wish list with a partner group. Groups compare their wish lists and how much they spent in each category.

When students make decisions and choices, adhere to mathematical constraints, interpret a mathematical answer in context, organize data, make revisions, and report results, they model with mathematics (MP4).

Access for:

♿ Students with Disabilities

- Representation (Activity 1)

🌐 English Learners

- MLR8 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

Lesson Timeline

Warm-up	10 min
Activity 1	25 min
Activity 2	15 min
Lesson Synthesis	10 min

Teacher Reflection Question

Reflect on times you observed students listening to one another's ideas today in class. What norms would help each student better attend to their classmates' ideas in future lessons?