

# Guided Math: Unit 4, Lesson 3

## Essential Question

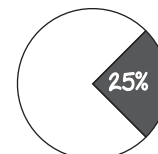
How can students use fraction strips to add fractions?

## Lesson Objective

Students will use fraction strips to add fractions with different denominators.

## Whole-Group Lesson

Model the process of folding strips of paper to create fraction strips for halves and thirds. Next, show students fraction strips for fourths, fifths, sixths, and eighths. Demonstrate how to find the sum of two fractions with different denominators using the fraction strips.



## Lesson Discussion Questions

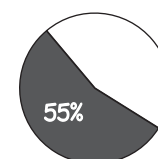
How did you decide which fractions strips to use to find the sum? What process do you work through when the fraction strips don't align precisely?

## Materials

- Strips of Paper
- Fraction Strips Work Mat
- Whiteboards
- Dry-erase markers and erasers

## Small-Group Lesson

Show students how to use the strips of paper to create a set of fraction strips. Say aloud addition of fractions problems with both like and unlike denominators. Have groups use the fraction strips and the Fraction Strips Work Mat to model the sums. After the students have modeled each sum, have students share their answers and the thought processes they used. Encourage questions and debate.



## Remediate

Work with students to arrange and rearrange fraction strips to model each addend and the sum. Ask questions such as, "Does this number of unit fractions have the same length as the fraction strips above?"

## On Level

Monitor and assist as needed.

## Enrich

Have students record five new fraction addition problems on their whiteboards and model the sums using fraction strips and the Fraction Strips Work Mat.