### Bridges in Mathematics Grade 3 Unit 4

## Measurement & Fractions

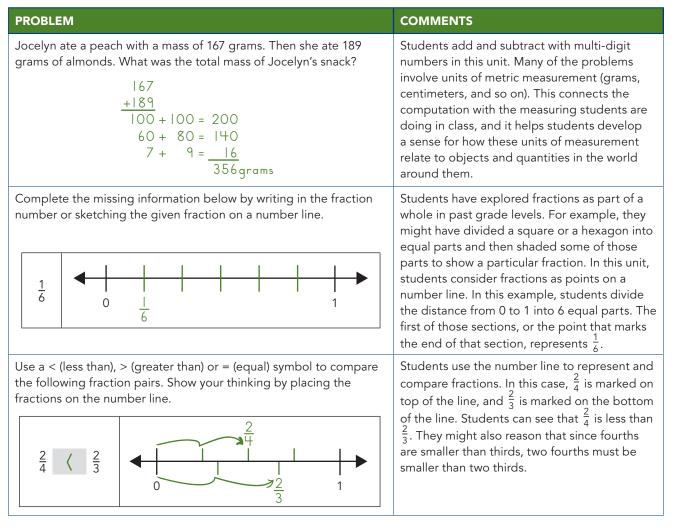
In this unit your child will:

- Tell time and calculate elapsed time
- Measure mass and volume to solve problems



Model and compare fractions in different ways

Your child will learn and practice these skills by solving problems like those shown below. Keep this sheet for reference when you're helping with homework. Use the free Math Vocabulary Cards app for additional support: mathlearningcenter.org/apps



### FREQUENTLY ASKED QUESTIONS ABOUT UNIT 4

#### **Q:** Why do the problems ask students to use number lines to think about fractions?

**A:** Students have used number lines since kindergarten to represent and compute with whole numbers. Using the number line to represent fractions connects new concepts to students' prior work with whole numbers. Double number lines, similar to the one featured in the third example above, can help students compare fractions and identify equivalent fractions.

# **Q:** Why doesn't my child solve the addition and subtraction problems the way I remember doing it?

A: Many adults would use the standard algorithm to add the numbers in the first example problem above.

This method is reliable: when the steps are carried out properly, it produces the correct answer every time. This is the strength of algorithms—accuracy and reliability—and students will be expected to use the standard algorithms for addition and subtraction by the end of fourth grade. In third grade, they use other methods that build number sense and that sometimes lend themselves more readily to mental computation and estimation.