

Your problem set is your concept development. If students need more practice consider using homework as the problem set for practice.

# Eureka Math

4th Grade  
Module 5  
Lesson 39

At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this project!

Directions for customizing presentations are available on the next slide.



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# Icons



Read, Draw, Write



Learning Target



Personal White Board



Problem Set



Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



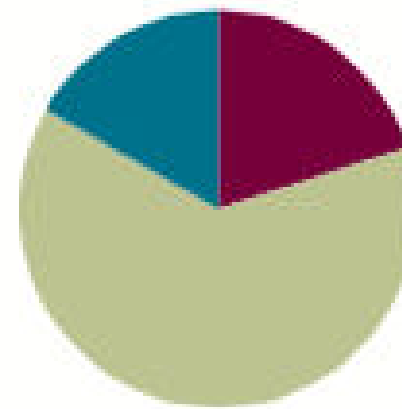
Small Group Time

## Lesson 39

**Objective:** Solve multiplicative comparison word problems involving fractions.

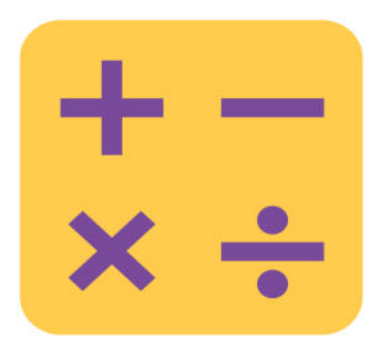
### Suggested Lesson Structure

■ Fluency Practice	(12 minutes)
■ Concept Development	(38 minutes)
■ Student Debrief	(10 minutes)
<b>Total Time</b>	<b>(60 minutes)</b>

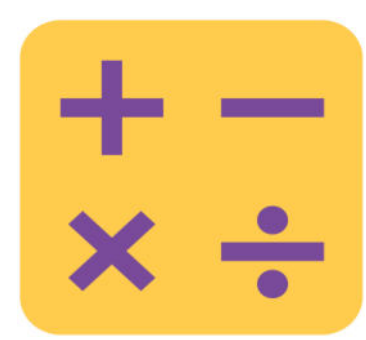




I can solve multiplicative comparison word problems involving fractions.



**SPRINTS!!**



# Multiply mixed numbers

$$3 \times 3 \frac{3}{8}$$

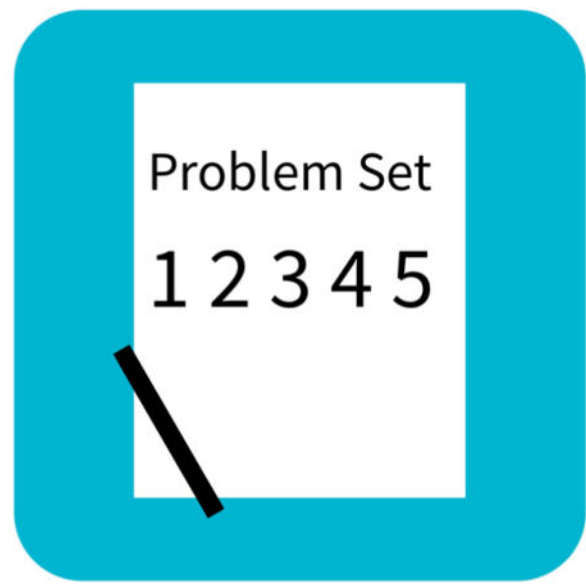
$$6 \times 3 \frac{2}{3}$$

$$4 \times 3 \frac{7}{8}$$



# Application Problem

No application problem today!



# Problem Set

Consider using the homework here because the problem set is the concept development.





# Debrief

- What are some advantages to drawing a double tape diagram as the first step to solve comparison word problems?
- As the number of groups or the whole number in the mixed number gets larger, which strategies seem to be more efficient? Explain your thinking.
- When your peers share their drawings, does it help you understand the problem better? How does seeing your peers' work help you?
- What do you do when you get stuck on a word problem? How do you motivate yourself to persevere?
- When you check for reasonableness, do you look at your number sentences and model? How do you figure out if your answer is reasonable?
- What are some of the words you would use to create a word problem that uses multiplication and comparison?

# Exit Ticket

Name \_\_\_\_\_

Date \_\_\_\_\_

Use the RDW process to solve.

Jeff has ten packages that he wants to mail. Nine identical packages weigh  $2\frac{7}{8}$  pounds each. A tenth package weighs two times as much as one of the other packages. How many pounds do all ten packages weigh?