You will need lesson 18 practice sheet!!

# Eureka Math

4th Grade
Module 5
Lesson 18

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.

# Icons


Read, Draw, Write

Learning Target

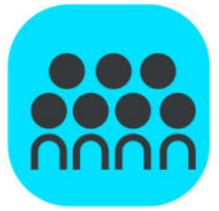
Personal White Board


Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

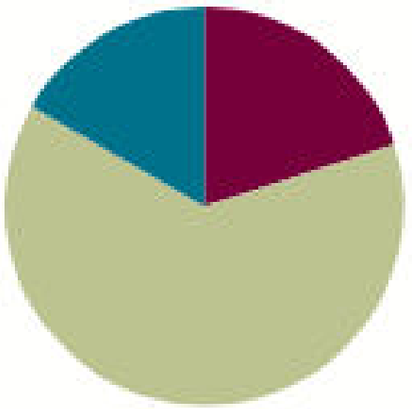
Small Group Time

# Lesson 18

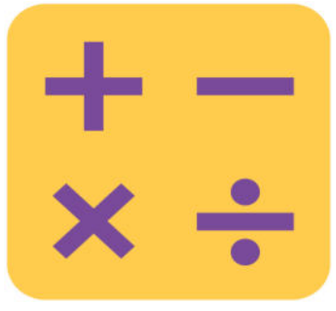
Objective:  Add and subtract more than two fractions.

**Suggested Lesson Structure**

| | |
|---|---|
| Fluency Practice | (12 minutes) |
| Concept Development | (38 minutes) |
| Student Debrief | (10 minutes) |
| **Total Time** | **(60 minutes)** |



Add and subtract more than two fraction.



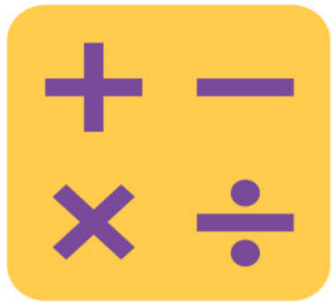
# Count by...

Starting at 0, count by ones to 10

Count by sixths from 0 tenths to 10 tenths

Now count by tenths, but when you get to 10 tenths say 1 WHOLE

Now count by tenths again, and when we get to 20 tenths say 2



# Subtract fractions

1 - ⅓ , solve with your shoulder partner 3 different ways.

# Subtracting fractions

1 ⅓- ⅔

Can we take ⅔ from ⅓?

Solve with your shoulder partner.

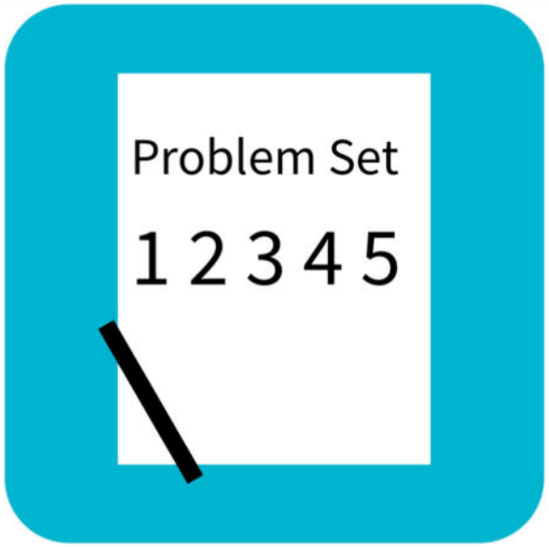
# Application Problem

No problem today!!!!

# Subtract from 1

Practice sheet for this lesson

Read directions how to do this activity in manual, page 5.D.30




# Problem Set



Name _____ Date _____

1. Show one way to solve each problem. Express sums and differences as a mixed number when possible. Use number bonds when it helps you. Part (a) is partially completed.

| | | |
|---|---|---|
| a. $\frac{2}{5} + \frac{3}{5} + \frac{1}{5}$<br>$= \frac{5}{5} + \frac{1}{5} = 1 + \frac{1}{5}$<br>$=$_____ | b. $\frac{3}{6} + \frac{1}{6} + \frac{3}{6}$ | c. $\frac{5}{7} + \frac{7}{7} + \frac{2}{7}$ |

# Debrief

- In Problem 1(h), the total is a mixed number. Was it necessary to change the mixed number to a fraction in this case? Explain.
- Discuss your solution strategy for Problem 1(i). Grouping fractions to make 1 is a strategy that can help in solving problems mentally. Solving for $\frac{2}{12}+\frac{10}{12}$ and $\frac{5}{12}+\frac{7}{12}$ can lead to the solution more rapidly.
- For Problem 2, did you agree with Monica or Stuart? Explain why you chose that strategy. Do you see a different method?
- Consider how you solved Problem 1(c) and the other solution for it in Problem 3. Would this solution be accurate? (Display $\frac{5+7+2}{7}=\frac{14}{7}=2$.) Explain why this representation for addition of fractions is correct.
- Observe your solution to Problem 1(d). Is my solution correct? Why? Explain. (Display $\frac{7-3-1}{8}=\frac{3}{8}$.)

# Exit Ticket



Name _____ Date _____

Solve the following problems. Use number bonds to help you.

1. $\frac{5}{9} + \frac{2}{9} + \frac{4}{9}$