Materials List

Personal white boards

(S) Folded fraction strips (halves, thirds, fourths, sixths and eighths) from Lesson 9, 1 set of <, >, = cards per pair

Eureka Math

3rd Grade
Module 5
Lesson 10

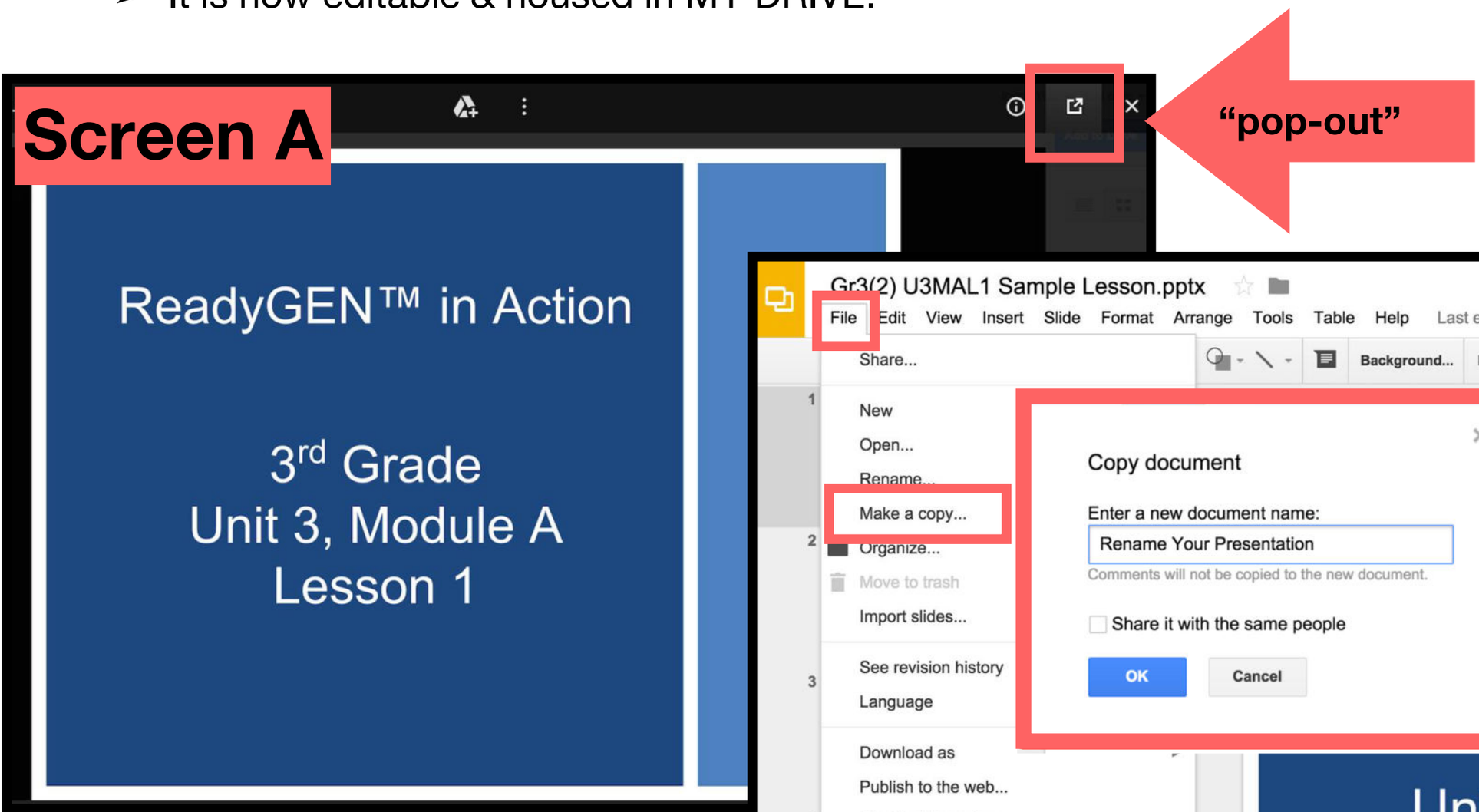
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

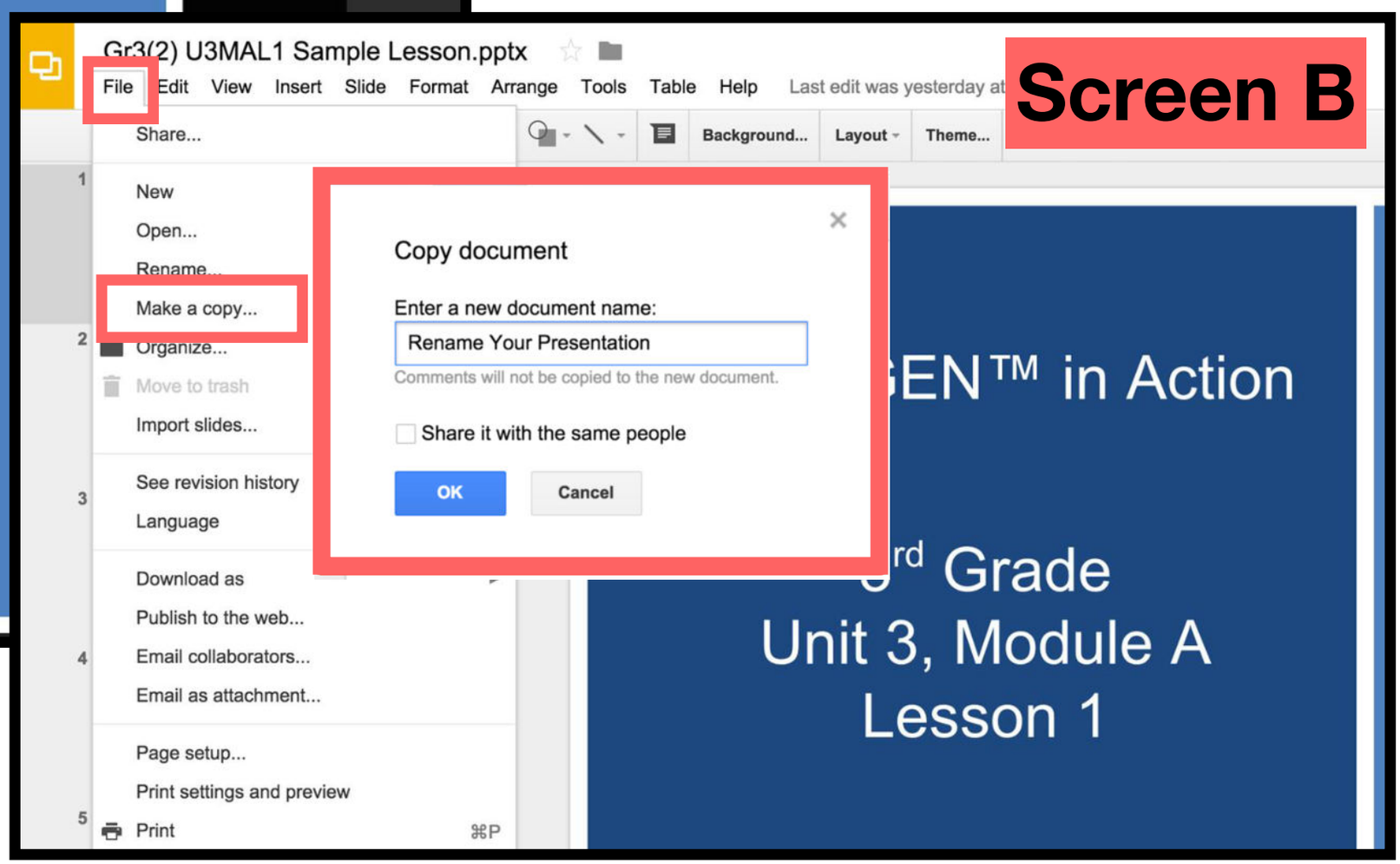
Directions for customizing presentations are available on the next slide.

Customize this Slideshow

Reflecting your Teaching Style and Learning Needs of Your Students

- When the Google Slides presentation is opened, it will look like Screen A.
- Click on the “pop-out” button in the upper right hand corner to change the view.
- The view now looks like Screen B.
- Within Google Slides (not Chrome), choose FILE.
- Choose MAKE A COPY and rename your presentation.
- Google Slides will open your renamed presentation.
- It is now editable & housed in MY DRIVE.





Icons

Read, Draw, Write

Learning Target

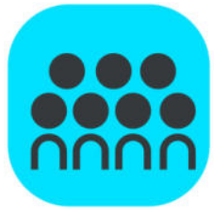
Personal White Board

Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

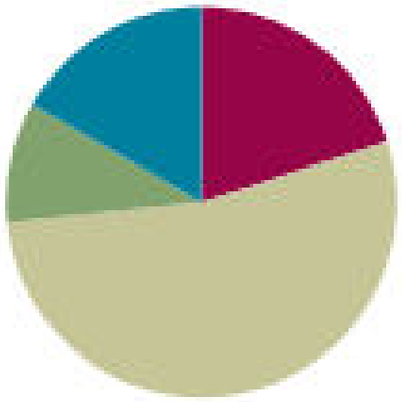
Small Group Time

Lesson 10

Objective: Compare unit fractions by reasoning about their size using fraction strips.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(6 minutes)
Concept Development	(32 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



Fluency Practice (12 minutes)

- Sprint: Divide by Eight **3.OA.4** (9 minutes)
- Skip-Count by Fourths on the Clock **3.G.2, 3.NF.1** (2 minutes)
- Greater or Less Than 1 Whole **3.G.2, 3.NF.2** (1 minute)

I can compare unit fractions.

Fluency Practice

Sprint: Multiply and Divide by Eight

Number Correct: _____

A

Multiply and Divide by Eight

1.	2 × 8 =	
2.	3 × 8 =	
3.	4 × 8 =	
4.	5 × 8 =	
5.	1 × 8 =	
6.	16 ÷ 8 =	
7.	24 ÷ 8 =	
8.	40 ÷ 8 =	
9.	8 ÷ 8 =	
10.	32 ÷ 8 =	
11.	6 × 8 =	
12.	7 × 8 =	
13.	8 × 8 =	

23.	___ × 8 = 80	
24.	___ × 8 = 16	
25.	___ × 8 = 24	
26.	80 ÷ 8 =	
27.	40 ÷ 8 =	
28.	8 ÷ 8 =	
29.	16 ÷ 8 =	
30.	24 ÷ 8 =	
31.	___ × 8 = 48	
32.	___ × 8 = 56	
33.	___ × 8 = 72	
34.	___ × 8 = 64	
35.	56 ÷ 8 =	

Fluency Practice

Skip-Count by Fourths on the Clock

Skip-count by fourth on the clock starting with 1 o'clock.

Fluency Practice

Skip-Count By Fourths on the Clock

½ - Greater than or less than 1 whole?

3/2?

¾?

5/4?

3/7?

5/2 ?

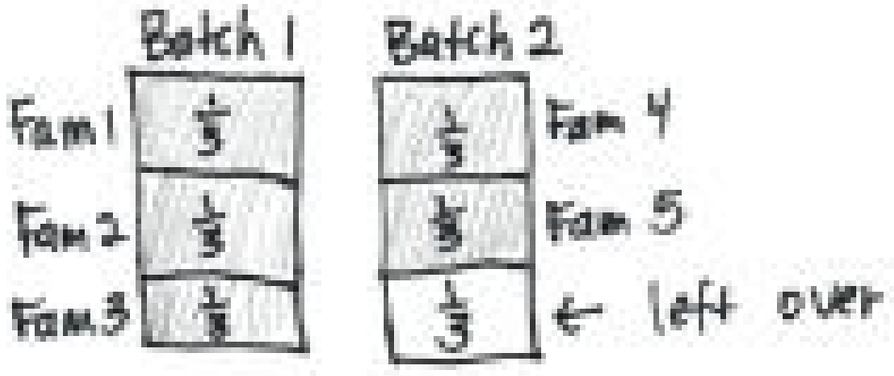
5/3?

Application Problem

Sarah makes soup. She divides each batch equally into thirds to give away. Each family that she makes soup for gets 1 third of a batch. Sarah needs to make enough soup for 5 families. How much oup does Sarah give away? Write your answer in terms with batches.

Application Problem

Sarah makes soup. She divides each batch equally into thirds to give away. Each family that she makes soup for gets 1 third of a batch. Sarah needs to make enough soup for 5 families. How much oup does Sarah give away? Write your answer in terms with batches.



Sarah will give away $\frac{5}{3}$ batches of soup.

Extension: $\frac{1}{3}$ batches will be left over.

Concept Development

Arrange your fraction strips in order from the largest to the smallest unit. Turn and talk to your partner about what you notice.

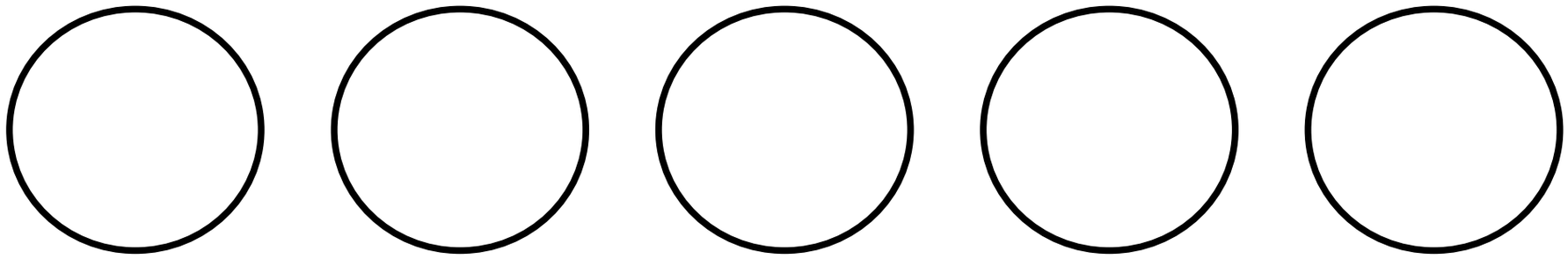
Look at 1 half and 1 third. Which unit fraction is larger? Explain to your partner how you know.

Concept Development

What happens if we're talking about something round, like a pizza? Is 1 half still larger than 1 third? Turn and talk to your partner about why or why not?

Concept Development

Draw 5 circles that are the same size to represent pizzas on your personal white board.

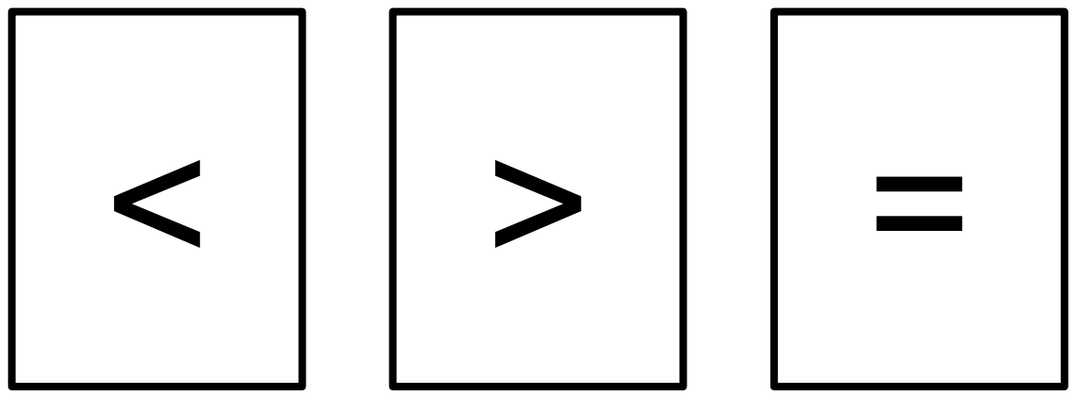


½ $\frac{1}{3}$ **¼** $\frac{1}{6}$ $\frac{1}{8}$

The more we cut, what's happening to our pieces? Compare your drawings to your fraction strips. Do you notice the same pattern as with your fraction strips? Turn and talk to your partner.

Concept Development

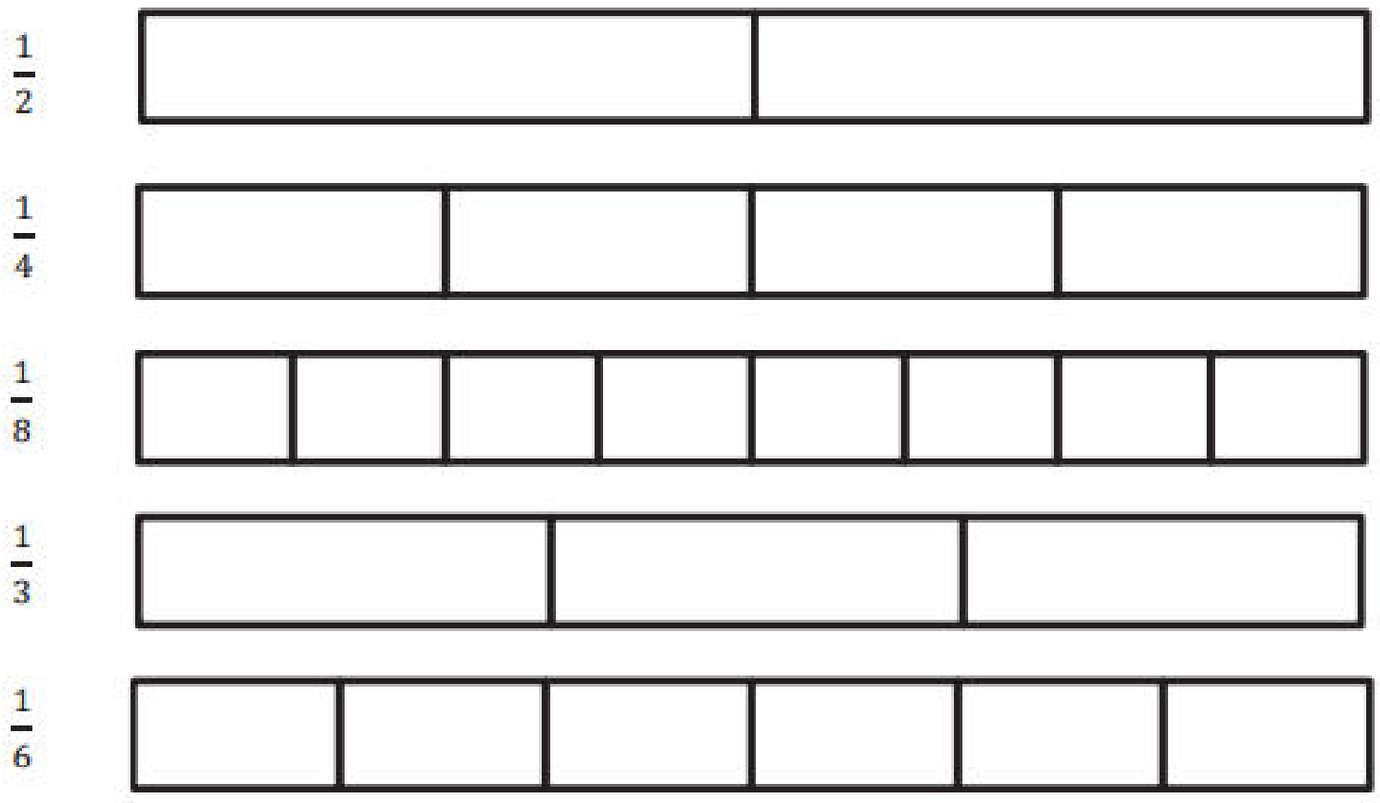
Let's compare unit fractions!



Problem Set

Name _____ Date _____

1. Each fraction strip is 1 whole. All the fraction strips are equal in length. Color 1 fractional unit in each strip. Then, answer the questions below.



Debrief

How did Problem 3 help you answer Problem 5?

Compare Problems 3 and 5. How are they the same? Different?

Exit Ticket

Name _____ Date _____

1. Each fraction strip is 1 whole. All the fraction strips are equal in length. Color 1 fractional unit in each strip. Then, circle the largest fraction and draw a star to the right of the smallest fraction.