Eureka Math

3rd Grade
Module 5
Lesson 7

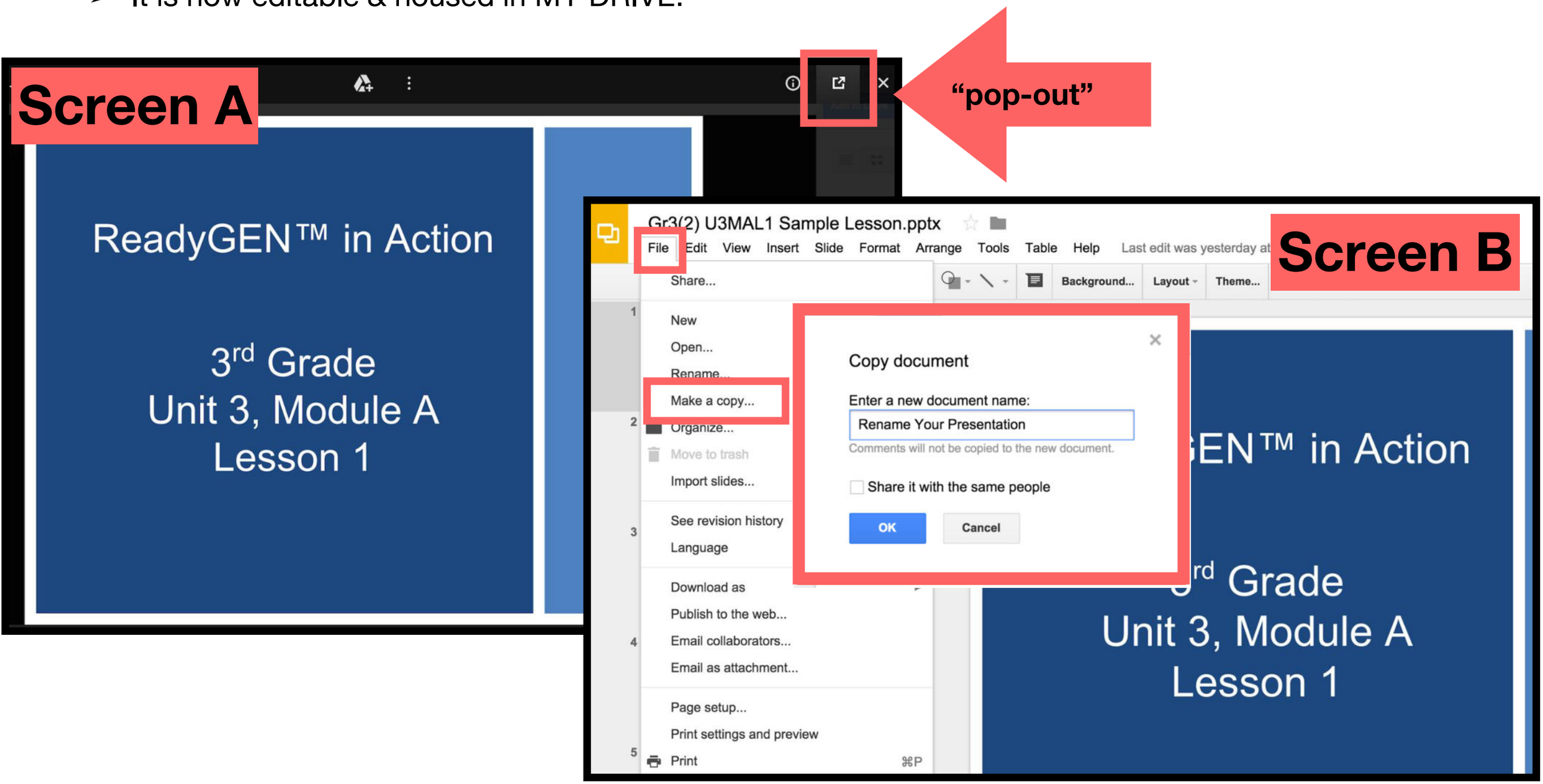
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

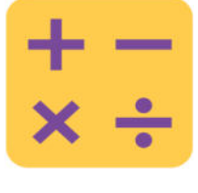
Read, Draw, Write

Learning Target

Personal White Board

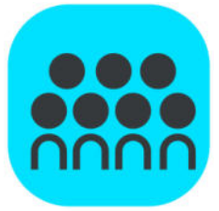
Problem Set

Manipulatives Needed



Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

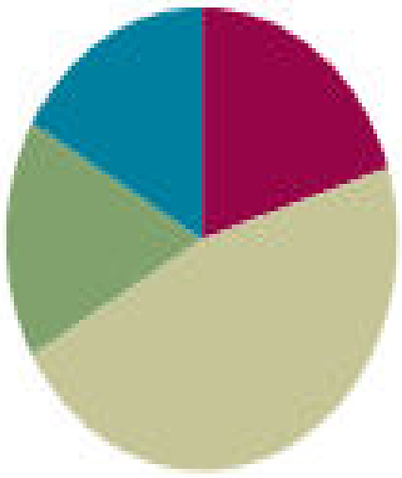
Small Group Time

Lesson 7

Objective: Identify and represent shaded and non-shaded parts of one whole as fractions.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(10 minutes)
Concept Development	(28 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



Fluency Practice (12 minutes)

- Group Counting **3.OA.1** (2 minutes)
- Sprint: Multiply and Divide by Seven **3.OA.4** (8 minutes)
- Skip-Count by Halves on the Clock **3.G.2, 3.NF.1** (2 minutes)

I can identify and represent shaded and non-shaded parts of one whole as fractions.

Fluency Practice

Group Counting

Skip count by nines to 90 on your whiteboard.

Circle 27. How many nines did you count?

Fluency Practice

Group Counting

3 nines

What is 27 divided by 9?

Fluency Practice

Sprint - Sevens

Multiply and Divide by Seven

1.	2 × 7 =	
2.	3 × 7 =	
3.	4 × 7 =	
4.	5 × 7 =	
5.	1 × 7 =	
6.	14 ÷ 7 =	
7.	21 ÷ 7 =	
8.	35 ÷ 7 =	
9.	7 ÷ 7 =	
10.	28 ÷ 7 =	
11.	6 × 7 =	
12.	7 × 7 =	
13.	8 × 7 =	
14.	9 × 7 =	
15.	10 × 7 =	

23.	___ × 7 = 70	
24.	___ × 7 = 14	
25.	___ × 7 = 21	
26.	70 ÷ 7 =	
27.	35 ÷ 7 =	
28.	7 ÷ 7 =	
29.	14 ÷ 7 =	
30.	21 ÷ 7 =	
31.	___ × 7 = 42	
32.	___ × 7 = 49	
33.	___ × 7 = 63	
34.	___ × 7 = 56	
35.	49 ÷ 7 =	
36.	63 ÷ 7 =	
37.	42 ÷ 7 =	

Fluency Practice

Skip Count by Halves on the Clock

Let’s start with 1 o’clock.

1, half past one, 2, half past 2, 3, half past three, 4, half past 4

4, half past three, 3, half past two, 2, half past one, 1

Application Problem

Robert ate half of the applesauce in a container. He split the remaining applesauce equally into 2 bowls for his mother and sister. Robert said, "I ate 1 half, and each of you gets 1 half." Is Robert right? Draw a picture to prove your answer.

Extension:

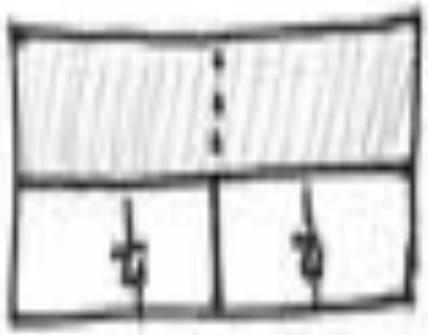
- What fraction of the applesauce did his mother get?
- What fraction of the applesauce did Robert's sister eat?

Application Problem

Robert ate

You can only have 2 halves in a whole. Robert is wrong!!!
So 3 people cannot have $\frac{1}{2}$ each.
His mom and sister got $\frac{1}{2}$ together!

Extension:



Robert ate $\frac{1}{2}$.

Robert's mom and sister each ate $\frac{1}{4}$ of the applesauce.

Concept Development

Materials

1 liter beaker

Water

Paper

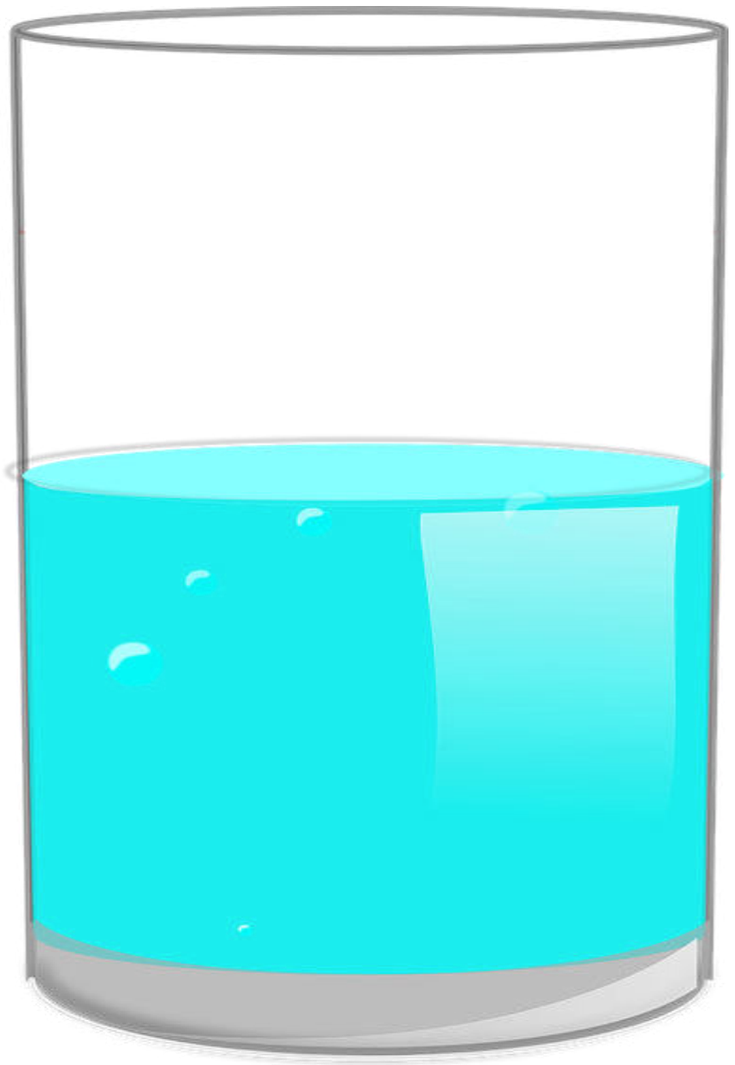
journal

scissors

crayons

math

Concept Development



Whisper the fraction that you see to your partner. What about the part that is not full?

Concept Development

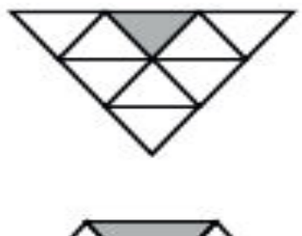
- Take your piece of paper
- Partition it into equal parts
- You should have no fewer than 5 and no more than 20 parts in all.
- Use the entire sheet of paper
- Use your crayon to shade one unit
- Cut along the folds
- Reassemble the pieces

Problem Set (10 mins.)

Whisper the fraction of the shape that is shaded. Then, match the shape to the amount that is not shaded.

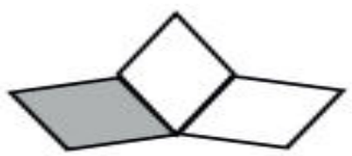
1. 

2. 

3. 

4. 

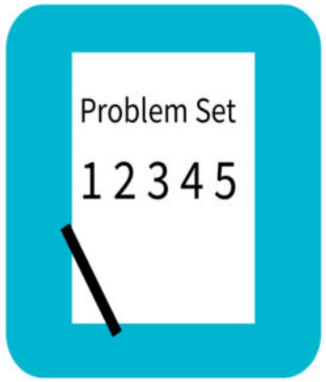
5. 

6. 

7. 

8. 

- 2 thirds
- 6 sevenths
- 4 fifths
- 8 ninths
- 1 half
- 5 sixths
- 7 eighths
- 3 fourths



Problem Set (10 mins.)

9. a. How many eighths are in 1 whole? _____

   b. How many ninths are in 1 whole? _____

   c. How many twelfths are in 1 whole? _____

10. Each strip represents 1 whole. Write a fraction to label the shaded and unshaded parts.

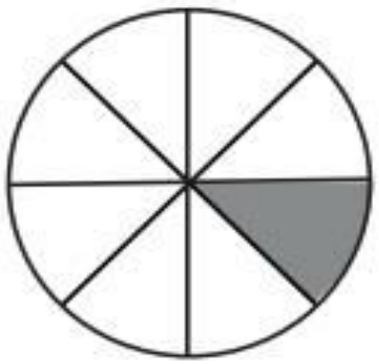
11. Avanti read 1 sixth of her book. What fraction of the book has she not read yet?

Debrief

Invite students to review their solutions for the Problem Set. They should check work by comparing answers with a partner before going over answers as a class. Look for misconceptions or misunderstandings that can be addressed in the Debrief. Guide students in a conversation to debrief the Problem Set and process the lesson.

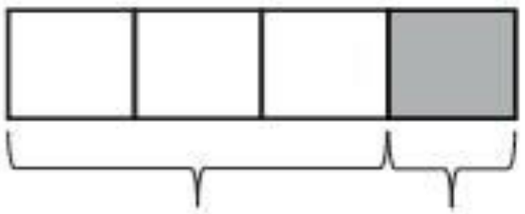
Exit Ticket

1. Write the fraction that is <u>not</u> shaded.



2. There are _____ sixths in 1 whole.

3. The fraction strip is 1 whole. Write fractions to label the shaded and unshaded parts.



4. Justin mows part of his lawn. Then, his lawnmower runs out of gas. He has not mowed $\frac{9}{10}$ of the lawn. What part of his lawn is mowed?