Eureka Math

4th Grade
Module 1
Lesson 19

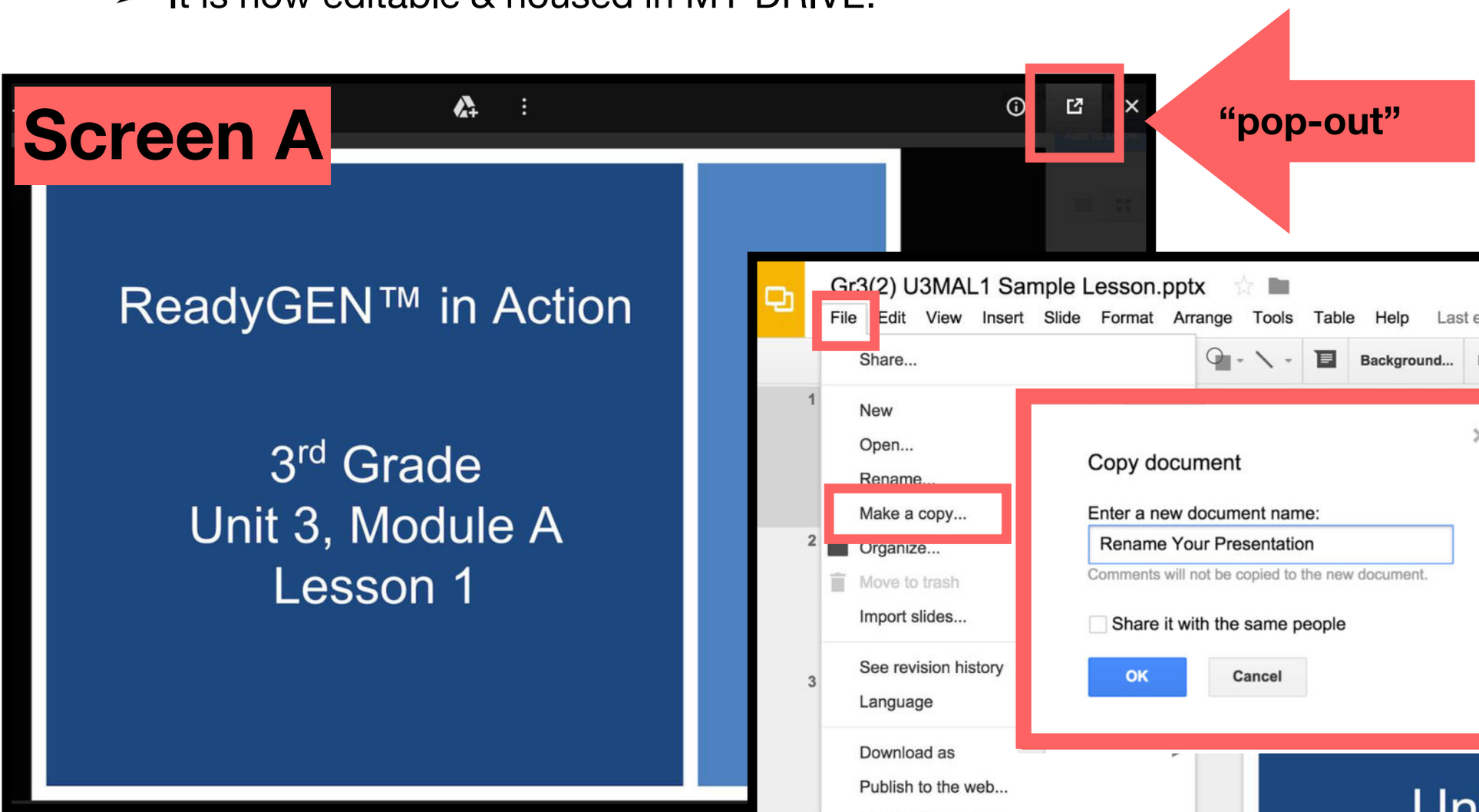
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

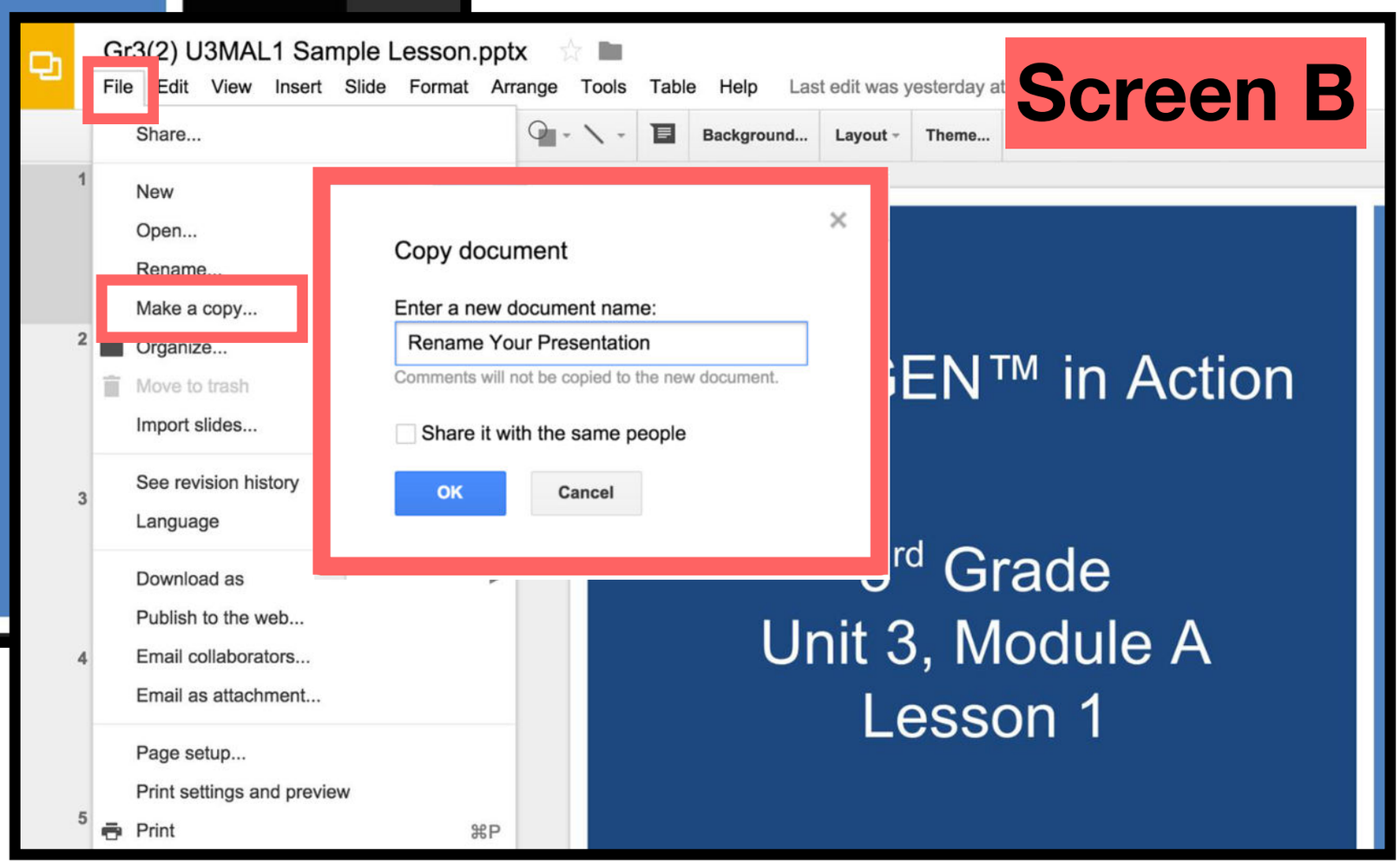
Directions for customizing presentations are available on the next slide.

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.



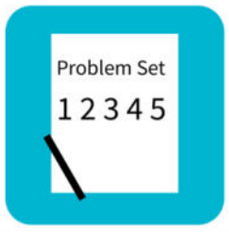


Icons

Read, Draw, Write

Learning Target

Personal White Board

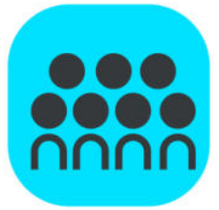


Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

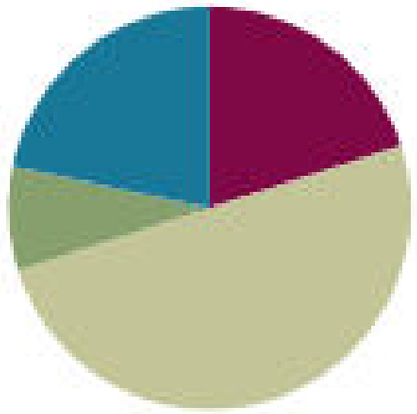
Small Group Time

Lesson 19

Objective: Create and solve multi-step word problems from given tape diagrams and equations.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(5 minutes)
Concept Development	(30 minutes)
Student Debrief	(13 minutes)
Total Time	**(60 minutes)**



I can create and solve multi-step word problems from given tape diagrams and equations.

Rename Units to Subtract

1 ten – 6 ones

Am I ready to subtract?

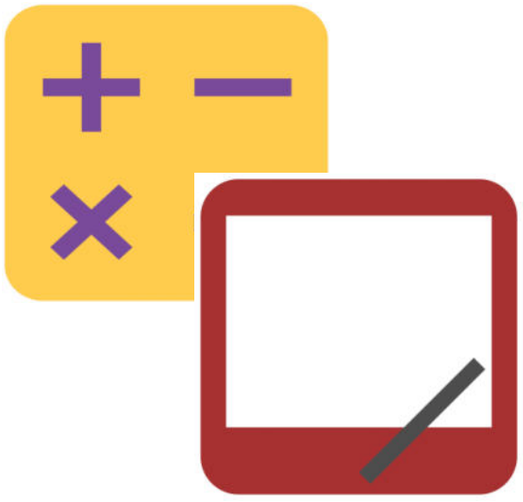
Rename 1 ten as 10 ones. Say the entire number sentence.

Add Up to the Next Unit

8
How many more to make 10?

80
How many more to make 100?

84
How many more to make 100?



Convert Units

1 m = ___ cm

2 m = ___ cm

3 m = ___ cm

8 m = ___ cm

8 m 50 cm = ___ cm

7 m 50 cm = ___ cm

4 m 25 cm = ___ cm

Convert Units

100 cm = ___ m

150 cm = ___ m ___ cm

250 cm = ___ m ___ cm

350 cm = ___ m ___ cm

950 cm = ___ m ___ cm

725 cm = ___ m ___ cm

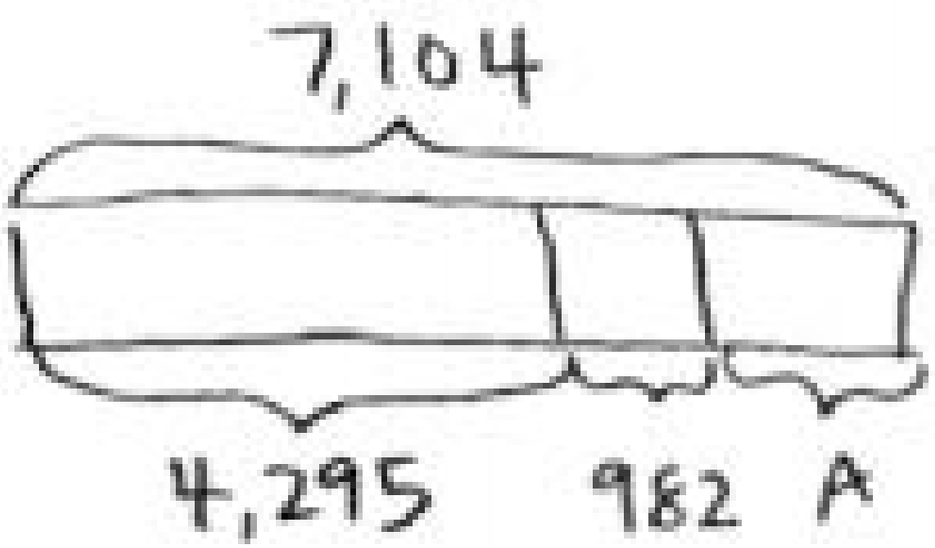
Application Problem

For Jordan to get to his grandparents' house, he has to travel through Albany and Plattsburgh. From Jordan's house to Albany is 189 miles. From Albany to Plattsburgh is 161 miles. If the total distance of the trip is 508 miles, how far from Plattsburgh do Jordan's grandparents live?

Writing Word Problems

Write a word problem that would fit with the tape diagram (in problem set)

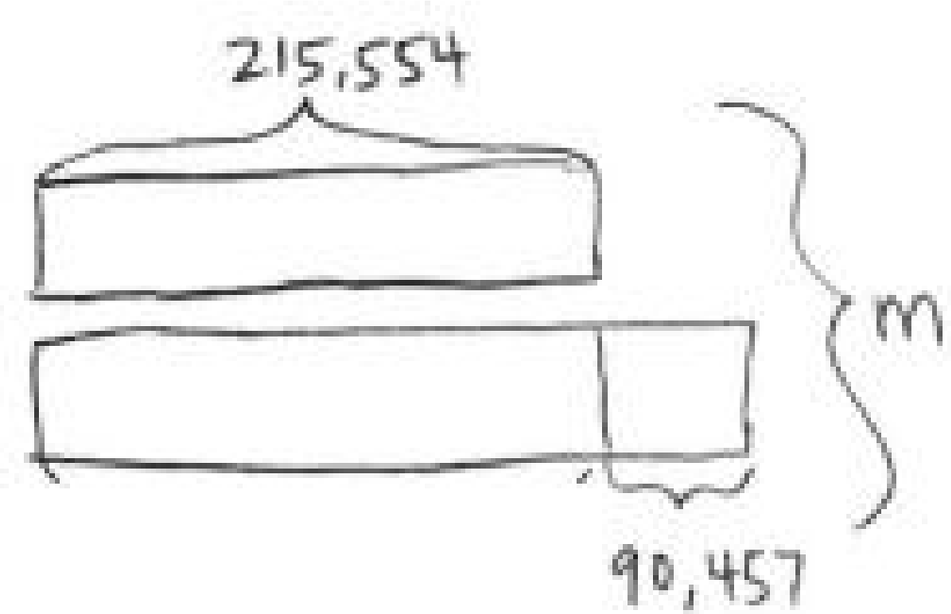
Suggested context: people at a football game



Writing Word Problems

Write a word problem that would fit with the tape diagram

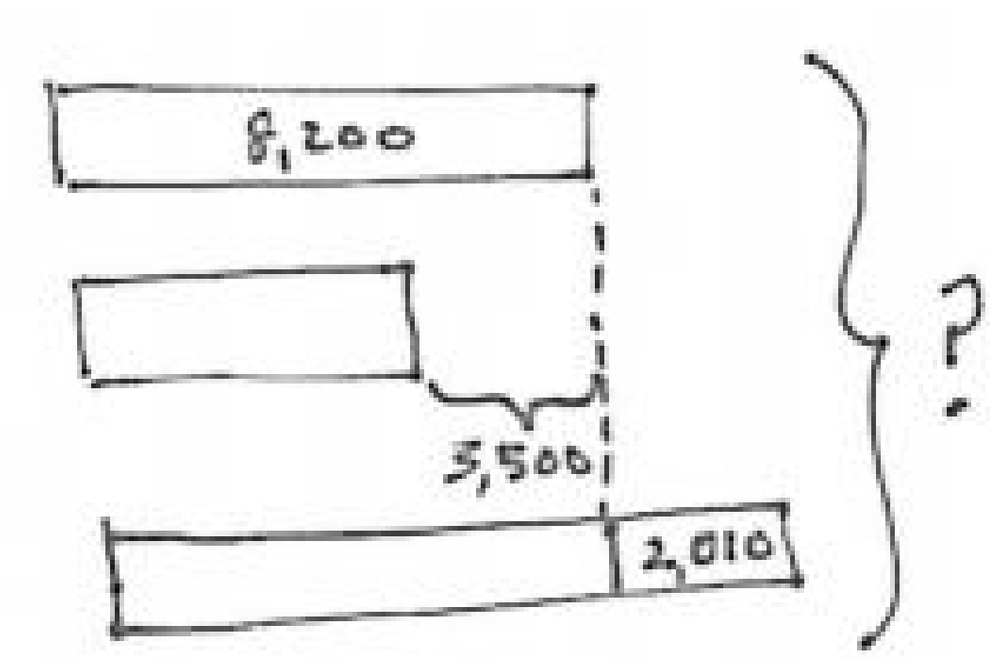
Suggested context: cost of two houses.



Writing Word Problems

Write a word problem that would fit with the tape diagram

Suggested context: weight in kilograms of three different whales.



Writing Word Problems

$5{,}233 + 3{,}094 + k = 12{,}946$

Draw a tape diagram that models this equation.

Compare with your partner.
Then, create a word problem that uses the numbers from the equation. Remember to first create a context.
Then, write a statement about the total and a question about the unknown.
Finally, tell the rest of the information.

Debrief

- How does a tape diagram help when solving a problem?
- What is the hardest part about creating a context for a word problem?
- To write a word problem, what must you know?
- There are many different contexts for Problem 2, but everyone found the same answer. How is that possible?
- How can you use this new understanding of addition, subtraction, and solving word problems in the future?

Exit Ticket

Name _____ Date _____

Using the diagram below, create your own word problem. Solve for the value of the variable.

1.