Eureka Math

4th Grade
Module 1
Lesson 17

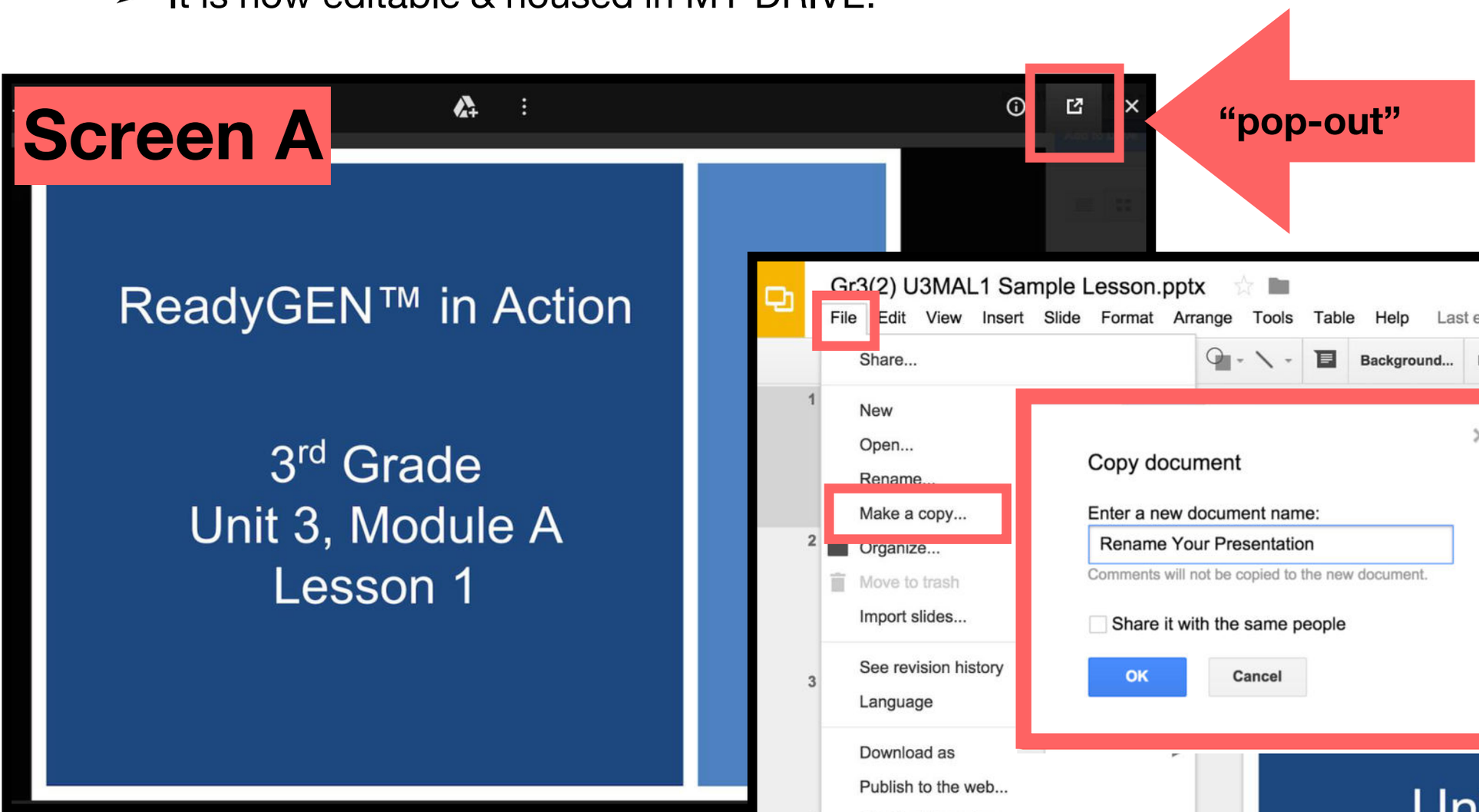
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

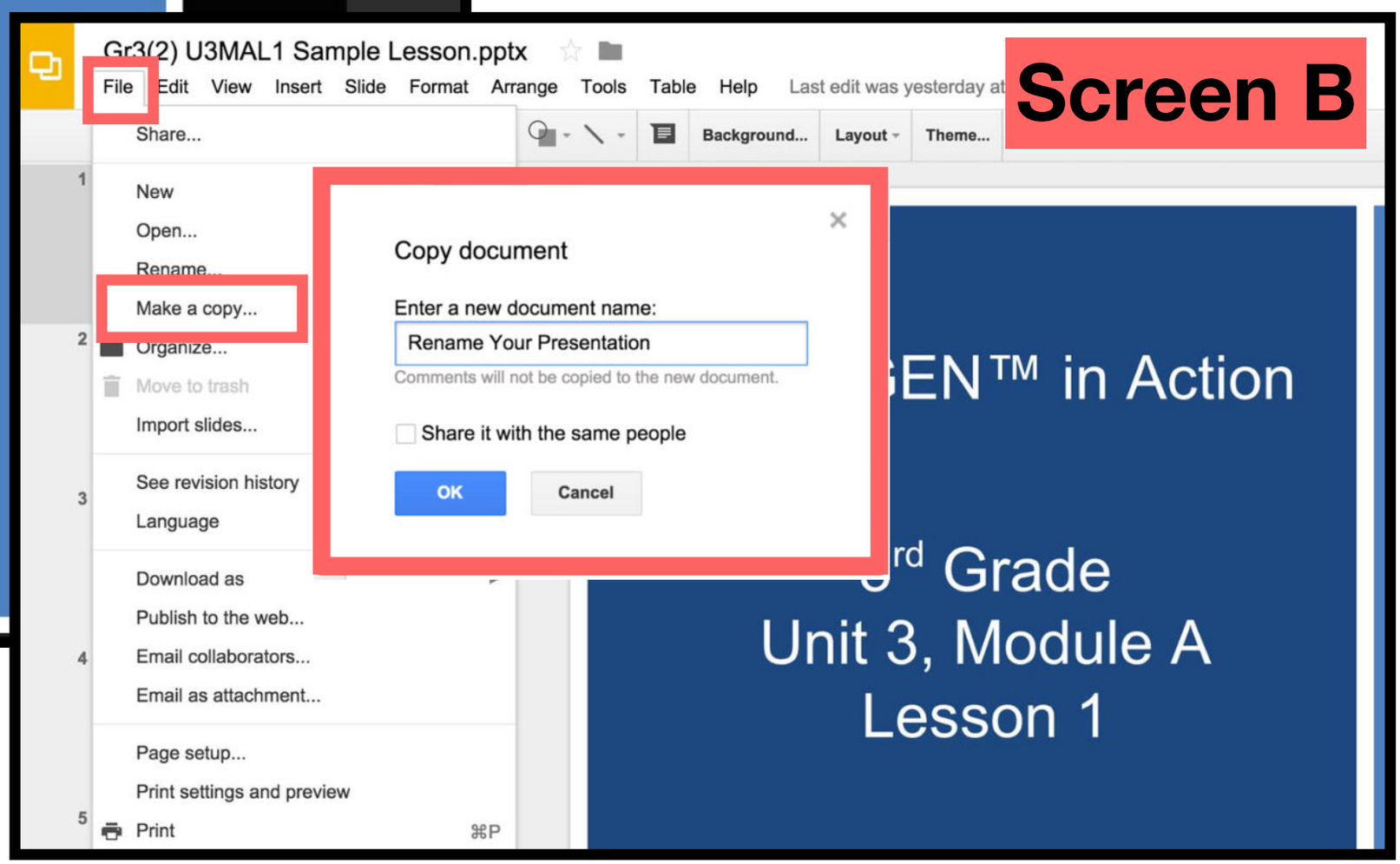
Directions for customizing presentations are available on the next slide.

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.



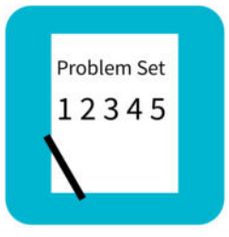


Icons

Read, Draw, Write

Learning Target

Personal White Board

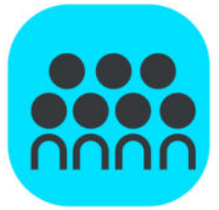


Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

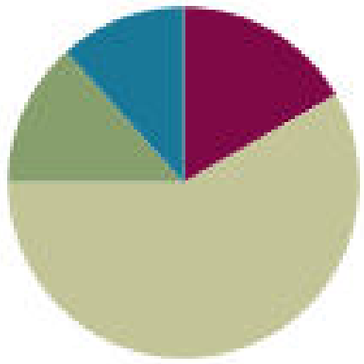
Small Group Time

Lesson 17

Objective: Solve *additive compare* word problems modeled with tape diagrams.

Suggested Lesson Structure

Fluency Practice	(10 minutes)
Application Problem	(8 minutes)
Concept Development	(35 minutes)
Student Debrief	(7 minutes)
Total Time	**(60 minutes)**



I can solve additive compare word problems modeled with tape diagrams.

Change Place Value

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
	4	6	3	2	6	5

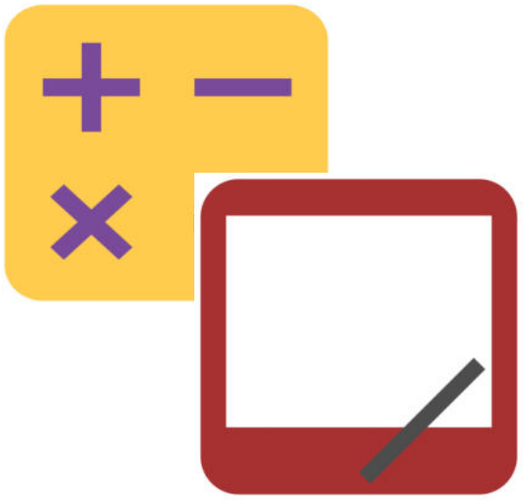
Show 100 more.

1 less.

10,000 less.

10 more.

100,000 more.



Convert Units

1 kg = ___ g

How many grams are in a kg?

2 kg= ___ g

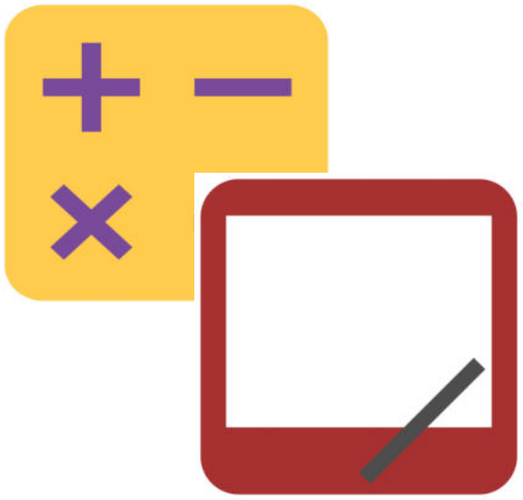
3 kg= ___ g

8 kg= ___ g

8 kg 500 g= ___ g

7 kg 500 g= ___ g

4 kg 250 g= ___ g



Convert Units

1,000 g = ___ kg

1,500 g = ___ kg ___ g

2,500 g = ___ kg ___ g

3,500 g = ___ kg ___ g

9,500 g = ___ kg ___ g

7,250 g= ___ kg ___ g

Application Problem

A bakery used 12,674 kg of flour. Of that, 1,802 kg was whole wheat and 888 kg was rice flour. The rest was all-purpose flour. How much all-purpose flour did they use? Solve and check the reasonableness of your answer.

Concept Development

Students may work in pairs to solve Problems 1—4 below using the RDW approach to problem solving.

Word Problems

Sean’s school raised $32,587. Leslie’s school raised $18,749. How much more money did Sean’s school raise?

Word Problems

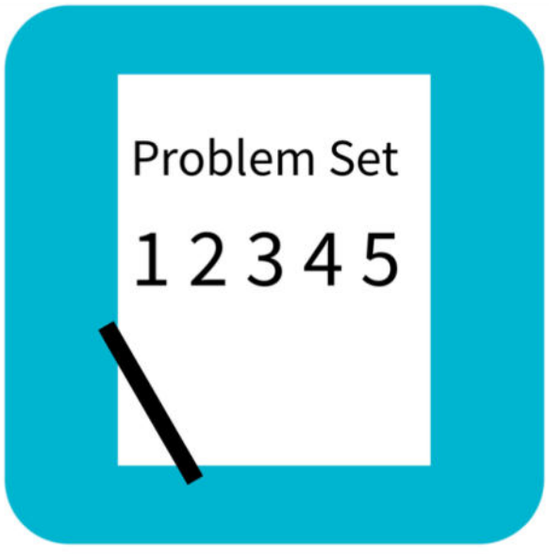
At a parade, 97,853 people sat in bleachers. 388,547 people stood along the street. How many fewer people were in the bleachers than standing along the street?

Word Problems

A pair of hippos weighs 5,201 kilograms together. The female weighs 2,038 kilograms. How much more does the male weigh than the female?

Word Problems

A copper wire was 240 meters long. After 60 meters was cut off, it was double the length of a steel wire. How much longer was the copper wire than the steel wire at first?



Problem Set

Name _____ Date _____

Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement.

1. Sean's school raised $32,587. Leslie's school raised $18,749. How much more money did Sean's school raise?

Debrief

- How are your tape diagrams for Problem 1 and Problem 2 similar?
- How did your tape diagrams vary across all problems?
- In Problem 3, how did drawing a double tape diagram help you to visualize the problem?
- What was most challenging about drawing the tape diagram for Problem 4?
- What does the word compare mean?
- What phrases do you notice repeated through many of today's problems that help you to see the problem as a comparative problem?

Exit Ticket

Name _____ Date _____

Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement.

A mixture of 2 chemicals measures 1,034 milliliters. It contains some of Chemical A and 755 milliliters of Chemical B. How much less of Chemical A than Chemical B is in the mixture?