Eureka Math

3rd Grade
Module 2
Lesson 19

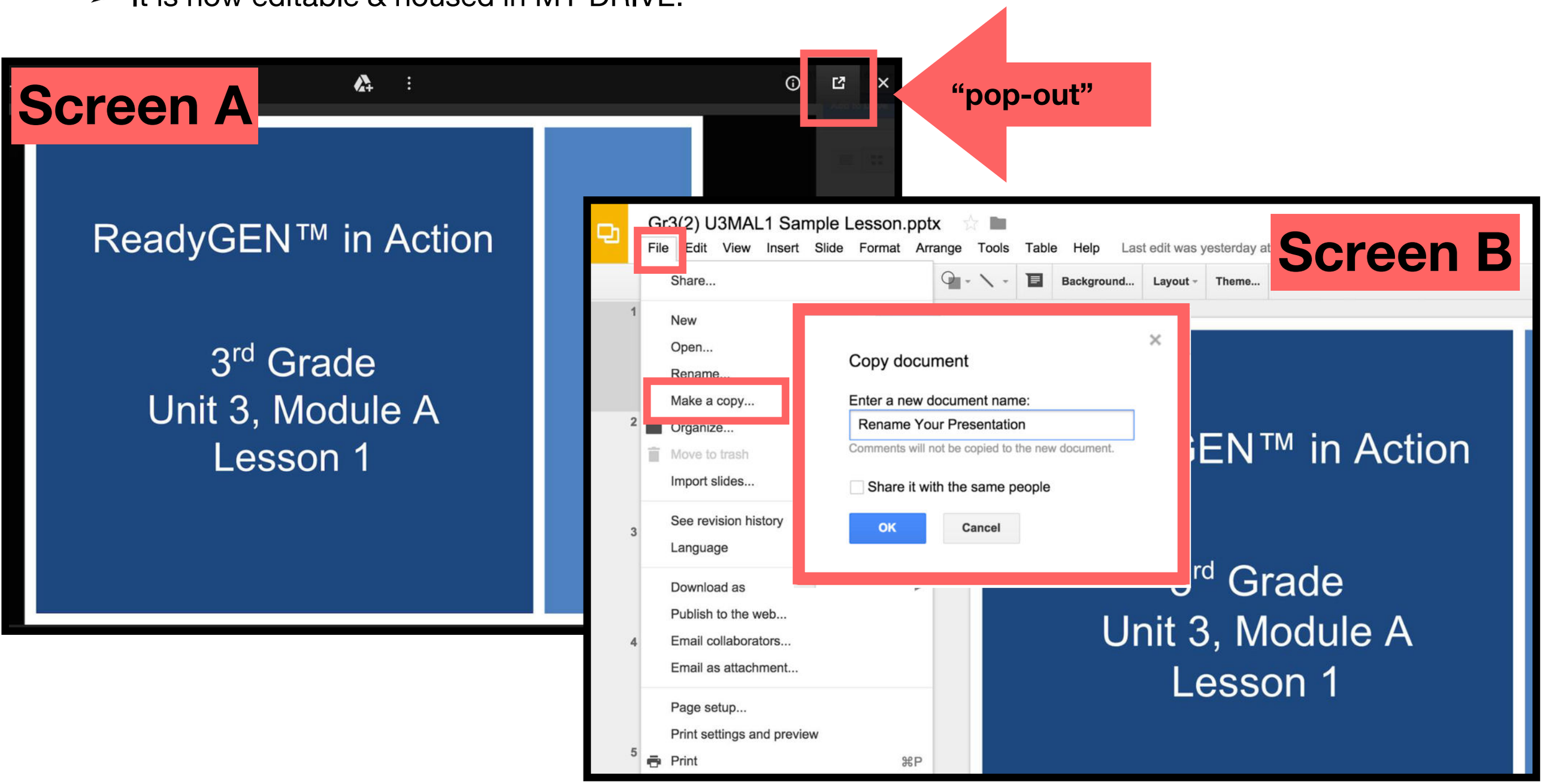
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

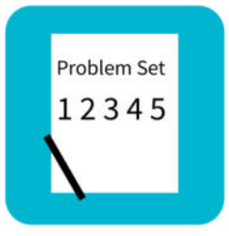


Icons

Read, Draw, Write

Learning Target

Personal White Board

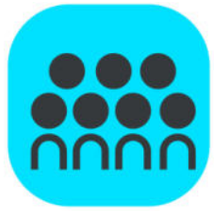


Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

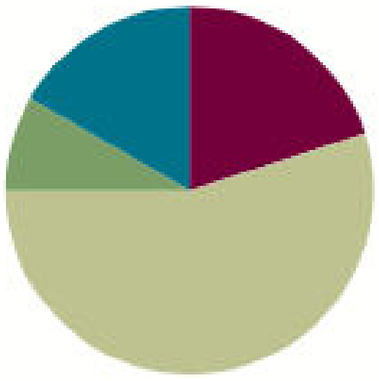
Small Group Time

Lesson 19

Objective: Decompose twice to subtract measurements including three-digit minuends with zeros in the tens and ones places.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(5 minutes)
Concept Development	(33 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



I can decompose twice to subtract measurements including three- digit minuends with zeros in the tens and ones places.

Subtract Mentally

Write 10 – 5 = ___

Say the number sentence in units of one.

Subtract Mentally

Write 12 tens – 5 ones = ___

Subtract Mentally

Write 42 tens – 5 ones = ___

Subtract Mentally

Write 10 tens – 5 ones = ___

Subtract Mentally

Write 12 tens – 5 ones = ___

Subtract Mentally

Write 42 tens – 5 tens = ___

Use Subtraction Algorithm with Measurements

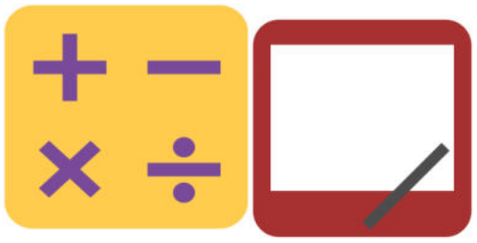
Write 80 L – 26 L = ___

On your personal white board, solve using the standard algorithm.

Use Subtraction Algorithm with Measurements

Write 380 L – 26 L = ___

On your personal white board, solve using the standard algorithm.



Use Subtraction Algorithm with Measurements

Write 380 L – 126 L = ___

On your personal white board, solve using the standard algorithm.

Use Subtraction Algorithm with Measurements

Write 908 L – 25 L = ___

On your personal white board, solve using the standard algorithm.

Use Subtraction Algorithm with Measurements

Write 908 L – 425 L = ___

On your personal white board, solve using the standard algorithm.

Round Three- and Four-Digit Numbers

Write 253 ≈ ___

What is 253 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 1,253 ≈ ___

What is 1,253 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 735 ≈ ___

What is 735 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 1,735 ≈ ___

What is 1,735 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 850 ≈ ___

What is 850 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 1,850 ≈ ___

What is 1,850 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 952 ≈ ___

What is 952 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

Write 1,371 ≈ ___

What is 1,371 rounded to the nearest hundred?

Round Three- and Four-Digit Numbers

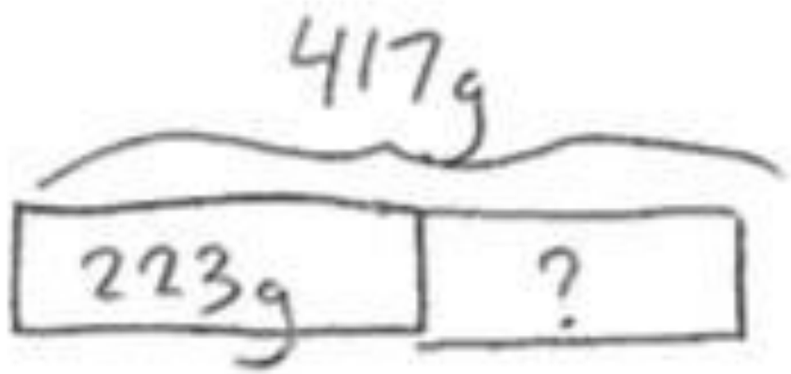
Write 1,450 ≈ ___

What is 1,450 rounded to the nearest hundred?

Application Problem

Jolene brings an apple and an orange with her to school. The weight of both pieces of fruit together is 417 grams. The apple weighs 223 grams. What is the weight of Jolene’s orange?

Application Problem



$$\begin{array}{r} {}^{3}\cancel{4}{}^{11}\cancel{1}7\,g \\ -\,223\,g \\ \hline 194\,g \end{array}$$

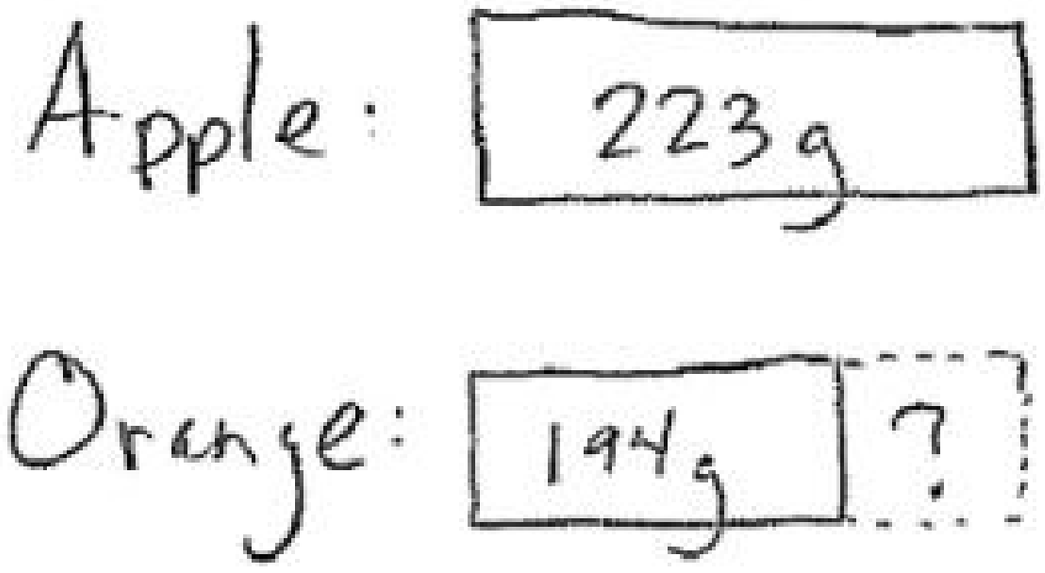
Jolene's orange weighs 194 grams.

Concept Development

Part 1: Decompose twice using the standard algorithm for subtraction.

In the Application Problem, Jolene's apple weighs 223 grams and her orange weighs 194 grams.

What does the question mark in these tape diagrams represent?



Concept Development

Part 1: Decompose twice using the standard algorithm for subtraction.

342 cm – 55 cm

764 g – 485 g

573 mL – 375mL

Concept Development

Part 2: Use the standard algorithm to subtract three-digit numbers with zeros in various positions.

Kerrin has 703 milliliters of water in a pitcher. She pours some water out. Now, 124 milliliters are left in the pitcher. How much water did Kerrin pour out?

Concept Development

Part 2: Use the standard algorithm to subtract three-digit numbers with zeros in various positions.

703 cm – 37 cm

Concept Development

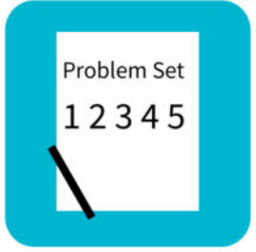
Part 2: Use the standard algorithm to subtract three-digit numbers with zeros in various positions.

700 cm – 356 cm

Concept Development

Part 2: Use the standard algorithm to subtract three-digit numbers with zeros in various positions.

500 g – 467 g



Problem Set

Name _____ Date _____

1. Solve the subtraction problems below.

   a. 340 cm – 60 cm

   b. 340 cm – 260 cm

   c. 513 g – 148 g

   d. 641 g – 387 g

Student Debrief (10 minutes)

Lesson Objective: Decompose twice to subtract measurements including three-digit minuends with zeros in the tens and ones places.

Which strategy did you use to solve Problem 1(a)? Why?

Why is it important to unbundle or change all of your units before subtracting?

Exit Ticket

Name _____ Date _____

1. Solve the subtraction problems below.

   a. 346 m – 187 m

   b. 700 kg – 592 kg

2. The farmer's sheep weighs 647 kilograms less than the farmer's cow. The cow weighs 725 kilograms. How much does the sheep weigh?