

# Eureka Math

## 3rd Grade Module 2 Lesson 21

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.



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# 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.

**Screen A**

ReadyGEN™ in Action

3<sup>rd</sup> Grade  
Unit 3, Module A  
Lesson 1

“pop-out”

**Screen B**

Gr3(2) U3MAL1 Sample Lesson.pptx

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ReadyGEN™ in Action

3<sup>rd</sup> Grade  
Unit 3, Module A  
Lesson 1

# Icons



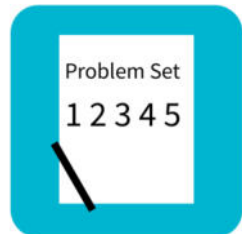
Read, Draw, Write



Learning Target



Personal White Board



Problem Set



Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



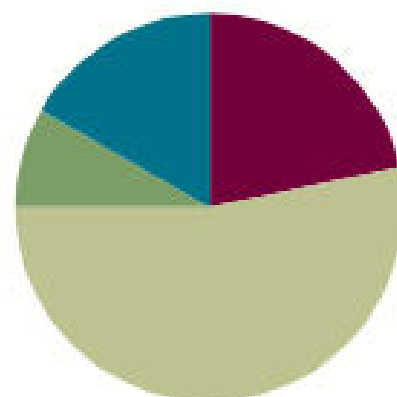
Small Group Time

## Lesson 21

**Objective:** Estimate sums and differences of measurements by rounding, and then solve mixed word problems.

### Suggested Lesson Structure

■ Fluency Practice	(13 minutes)
■ Application Problem	(5 minutes)
■ Concept Development	(32 minutes)
■ Student Debrief	(10 minutes)
<b>Total Time</b>	<b>(60 minutes)</b>





I can estimate sums and differences of measurements by rounding, and then solve mixed word problems.



# Group Counting

Threes to 30

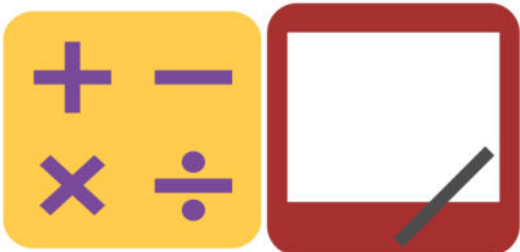
Fours to 40

Sixes to 60

Sevens to 70

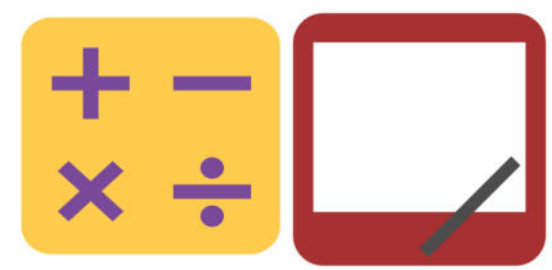
Eights to 80

Nines to 90



## Use Algorithms with Different Units

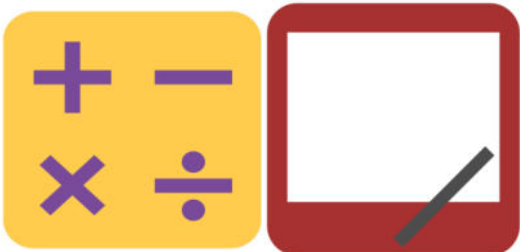
Write  $495 \text{ L} + 126 \text{ L} = \underline{\hspace{2cm}}$



## Use Algorithms with Different Units

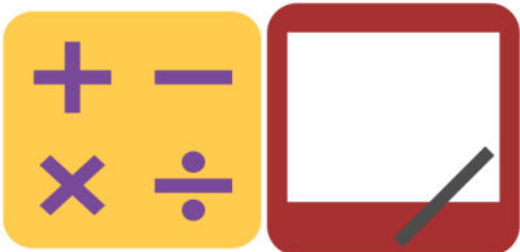
Write  $368 \text{ L} + 132 \text{ L} = \underline{\hspace{2cm}}$





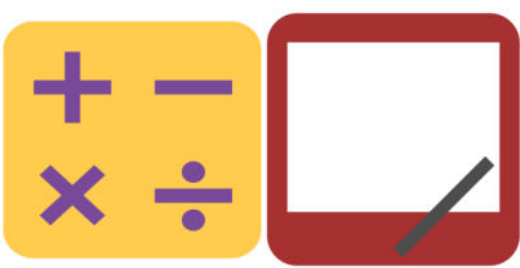
# Use Algorithms with Different Units

Write  $479 \text{ cm} + 221 \text{ cm} = \underline{\hspace{2cm}}$



# Use Algorithms with Different Units

Write  $532 \text{ cm} + 368 \text{ cm} = \underline{\hspace{2cm}}$



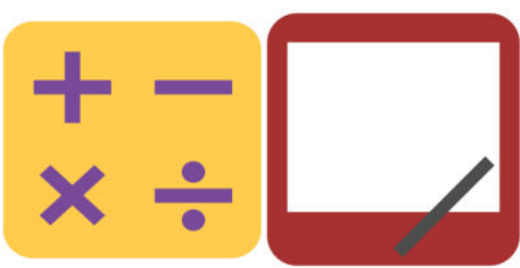
## Use Algorithms with Different Units

$$870 \text{ L} - 39 \text{ L} = \underline{\hspace{2cm}}$$

$$870 \text{ L} - 439 \text{ L} = \underline{\hspace{2cm}}$$

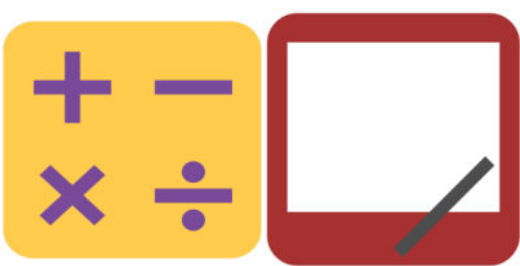
$$807 \text{ g} - 45 \text{ g} = \underline{\hspace{2cm}}$$

$$807 \text{ g} - 445 \text{ g} = \underline{\hspace{2cm}}$$



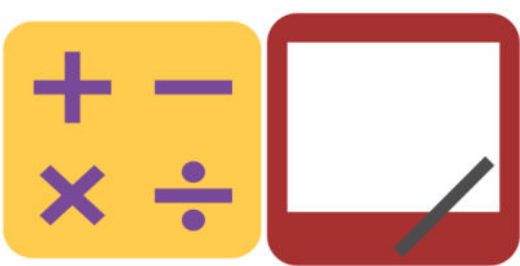
# Use Algorithms with Different Units

$$870 \text{ L} - 439 \text{ L} = \underline{\hspace{2cm}}$$



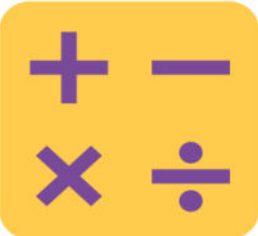
# Use Algorithms with Different Units

$$807 \text{ g} - 45 \text{ g} = \underline{\hspace{2cm}}$$



# Use Algorithms with Different Units

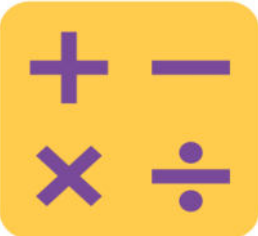
$$807 \text{ g} - 445 \text{ g} = \underline{\hspace{2cm}}$$



# Estimate and Subtract

Write  $71 - 23 \approx$  \_\_\_\_\_

Say the subtraction sentence

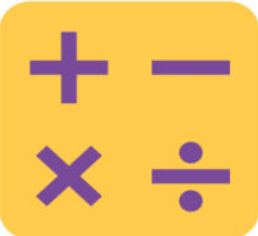


# Estimate and Subtract

$$47 - 18 \approx \underline{\quad}$$

Say the subtraction sentence

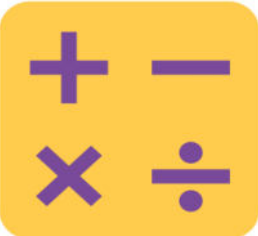




# Estimate and Subtract

$$574 - 182 \approx \underline{\quad}$$

Say the subtraction sentence



# Estimate and Subtract

$$704 - 187 \approx \underline{\quad}$$

Say the subtraction sentence



# Application Problem

Gloria fills water balloons with 238 mL of water. How many milliliters of water are in two water balloons? Estimate to the nearest 10 mL and 100 mL. Which gives a closer estimate?

# Application Problem

Partner 1

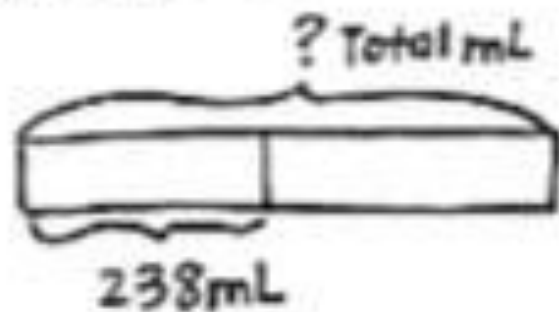
$$238\text{ mL} \approx 240\text{ mL}$$

$$240 + 240 = 480\text{ mL}$$

Partner 2

$$238\text{ mL} \approx 200\text{ mL}$$

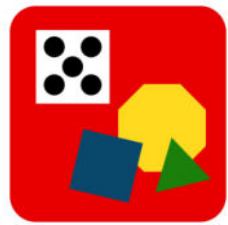
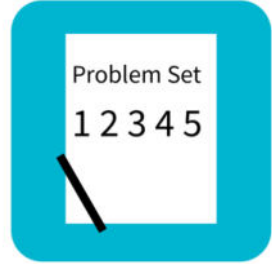
$$200\text{ mL} + 200\text{ mL} = 400\text{ mL}$$



$$\begin{array}{r} 238 \\ + 238 \\ \hline 476 \end{array}$$

There are 476 mL in  
2 balloons.

Rounding to the nearest 10  
gives a closer estimate  
than rounding to the nearest  
100.



# Concept Development & Problem Set

Problems 1–3 of the Problem Set:

Student Directions: Follow the Problem Set directions to complete Problems 1–3 with your group. Once you have finished those problems, complete Problem 4 on your own.

A STORY OF UNITS

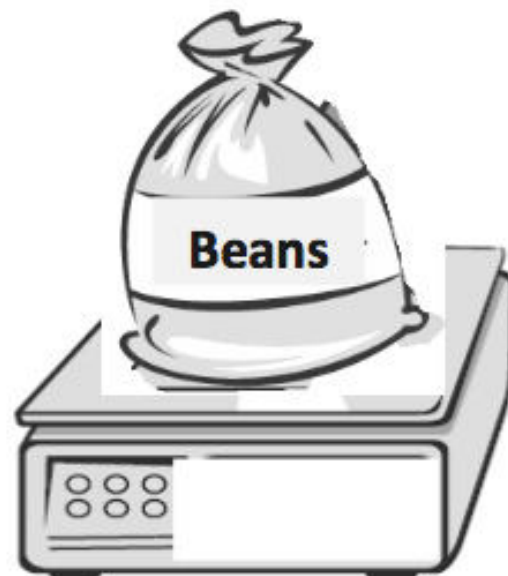
Lesson 21 Problem Set

3•2

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Weigh the bags of beans and rice on the scale. Then, write the weight on the scales below.



## **Student Debrief (10 minutes)**

Lesson Objective: Estimate sums and differences of measurements by rounding, and then solve mixed word problems.

How can you use measurement as a tool for checking whether or not your answers are reasonable?

How did you use mental math in today's lesson?

How did the Application Problem prepare you for today's Problem Set?

How did the Fluency Practice relate to your work today?

# Exit Ticket

Name \_\_\_\_\_

Date \_\_\_\_\_

Rogelio drinks water at every meal. At breakfast, he drinks 237 milliliters. At lunch, he drinks 300 milliliters. At dinner, he drinks 177 milliliters.

- Estimate the total amount of water Rogelio drinks. Then, find the actual amount of water he drinks at all three meals.
  
  
  
  
  
  
  
  
  
  
- Estimate how much more water Rogelio drinks at lunch than at dinner. Then, find how much more water Rogelio actually drinks at lunch than at dinner.