Eureka Math

2nd Grade
Module 3
Lesson 6

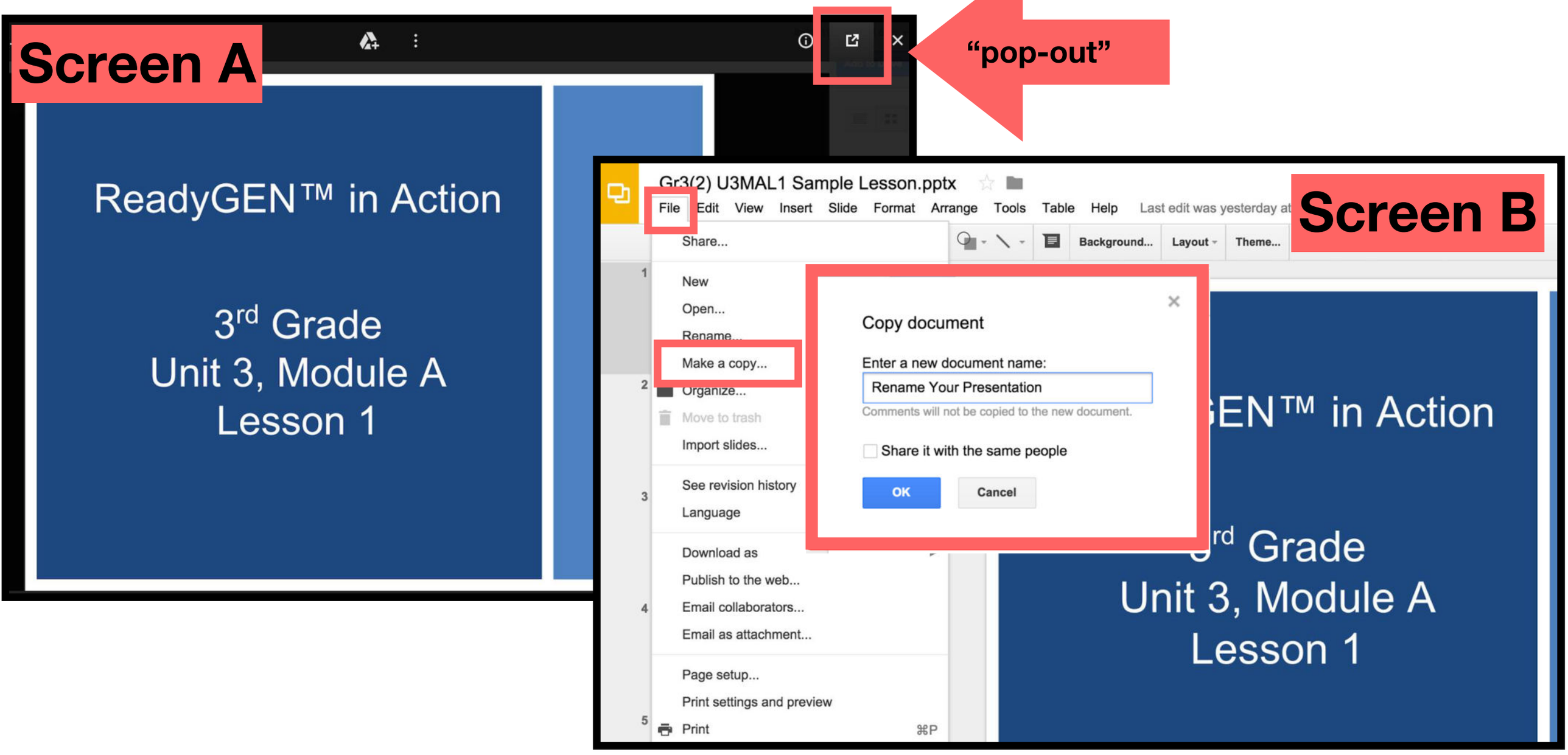
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

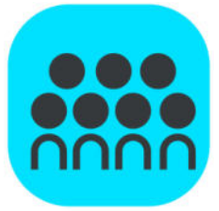
Personal White Board

Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

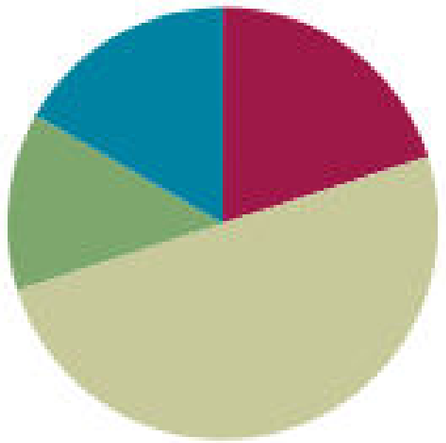
Small Group Time

Lesson 6

Objective: Write base ten numbers in expanded form.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(8 minutes)
Concept Development	(30 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



I can write base ten numbers in expanded form.

Materials Needed:

Fluency:

- (S) Meter strip (Lesson 1 Fluency Template)
- (S) White Board
- (T) Hide Zero cards (Lesson 4 Template 1)

Concept development:

- (T) Place value box, bundles of straws for modeling
- (S) Hide Zero cards (Lesson 4 Template 1),
- (S) Math journal or paper

Meter Strip Addition

We're going to practice addition using our meter strips.
Put your finger on 0.

Slide up to 27 cm.

Slide up 35 more.
You might first skip - count by 10 three times, and then go up 5 ones

How many centimeters did you slide up altogether?

Tell your partner a number sentence describing sliding from 27 to 62.

Put your finger on 0.

Slide up to 38 cm.

Slide up 36 more.

How many centimeters did you slide up altogether?

At the signal, say a number sentence describing sliding from 38 to 74.

Meter Strip Addition

In each of these problems we had more than 9 ones, so we had to make a new ten.
I will write an expression.
Wait for the signal.
Say, “Make ten,” if you have more than 9 ones. Say, “You can’t make ten,” if there are not enough ones.

35 + 22

63 + 16

48 + 29

36 + 54

27 + 16

Now, turn to your partner, and on your personal white board, write as many addition expressions as you can solve on your meter strip that need to make ten. You have one minute. Take your mark, get set, go!

Unit Form Counting from 398 to 405

Today we're going to practice unit form counting. This time we'll include hundreds! The unit form way to say 324 is 3 hundreds 2 tens 4 ones.

Try this number. 398

Let's count on from 398 the unit form way.

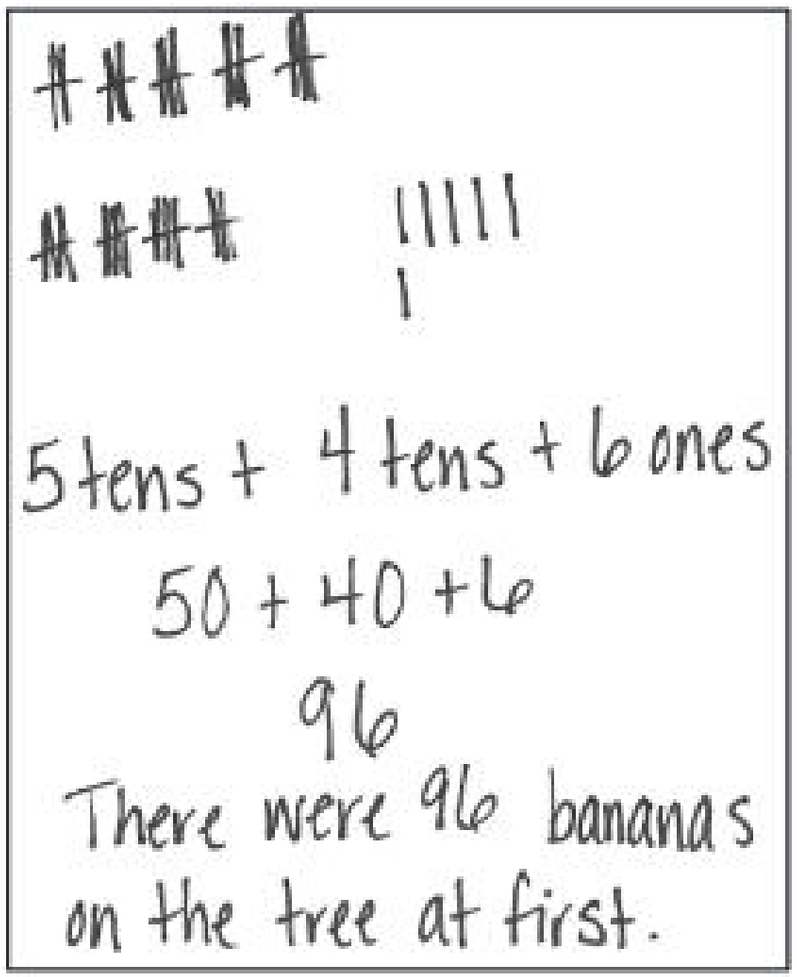
Think 10 to Add 9

Listen carefully! If I say, “9 + 5,” you say, “10 + 4.”
Wait for my signal. Ready?

9 + 5	9 + 3	9 + 7	9 + 4
9 + 2	9 + 6	9 + 9	9 + 8

Application problem

Timmy the monkey picked 46 bananas from the tree. When he was done, there were 50 bananas left. How many bananas were on the tree at first?



Concept Development

H	T	O
2	4	3

Read this number to me in unit form?

Concept Development

H	T	O
2	4	3

Count for me up to 243 using the bundles in my place value box.

100	100	10	10	10	10	1	1	1

Concept Development

H	T	O
2	4	3

Explain to your partner why this is the same as 243.

Let's reread this putting in addition symbols.

100 + 100 + 10 + 10 + 10 + 10 + 1 + 1 + 1 = 243

200 + 40 + 3 = 243

Problem Set

Name _____ Date _____

Write each number in expanded form, separating the total value of each of the units.

1. 231

2. 312

Debrief

Review your answers to the Problem Set with your partner.

I have some pairs of problems that I want you to compare. How are they the same? How are they different?

1 and 2

2 and 6

9 and 10

2 and 10

3 and 4

3 and 7

11 and 12

7 and 16

1 and 5

4 and 8

1 and 9

Debrief

When we write our numbers as addition sentences with parts representing the total value of each unit, it is called **expanded form.** It helps us to see the value of each place.

Let's try some together. In your math journal, copy these with me.

Label your page EXPANDED FORM

200+40+9=249

9+40+200=249

900+10+3=913

913=3+900+10

400+3=403

3+400=403

250=200+50

200+50=250

Exit Ticket

Name _____ Date _____

1. Write in number form.

a. 10 + 10 + 1 + 1 + 100 + 100 + 100 = _____

b. 400 + 70 + 6 = _____

c. _____ = 9 + 700 + 10