Eureka Math

Kindergarten
Module 1
Lesson 12

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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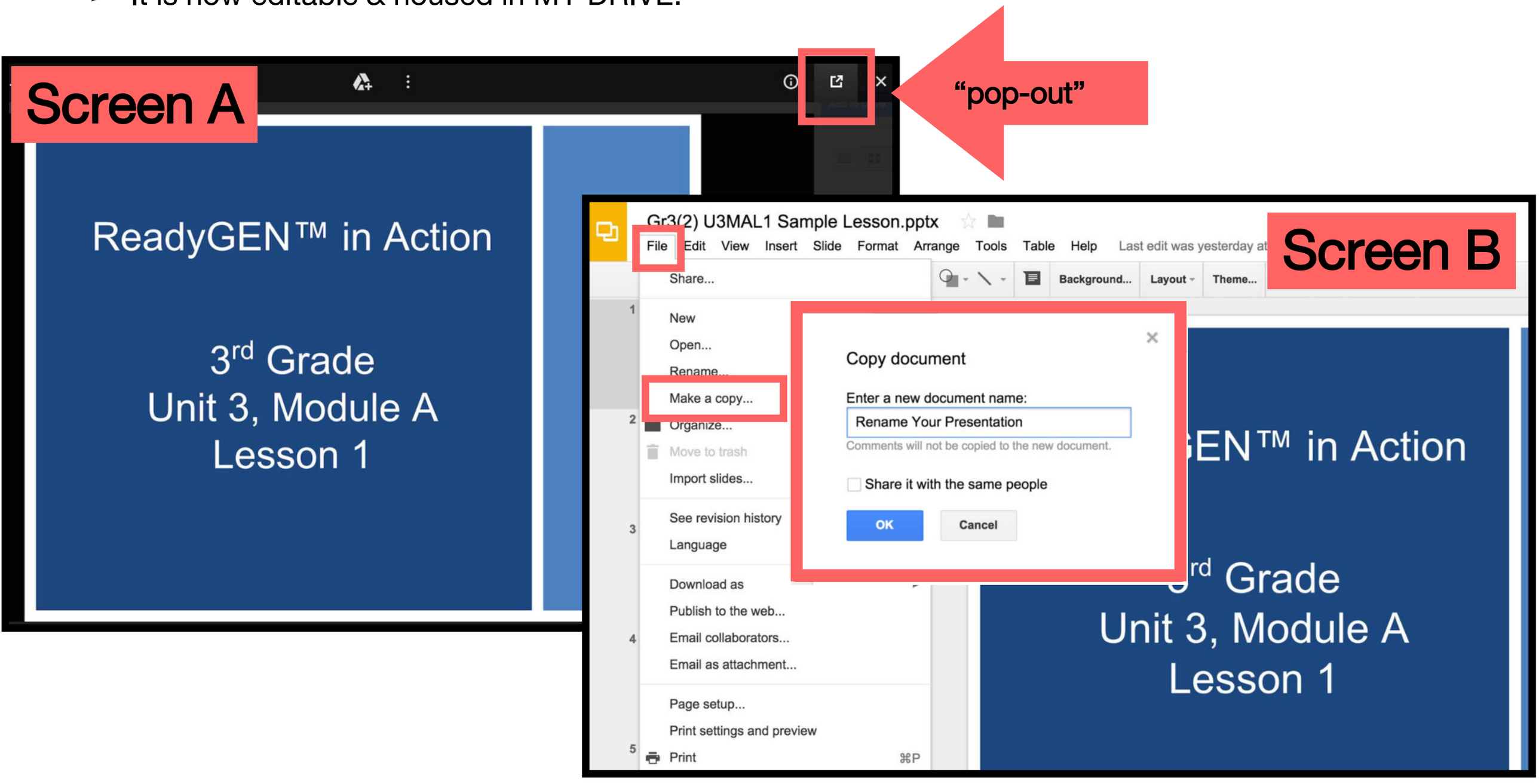
Customize this Slideshow

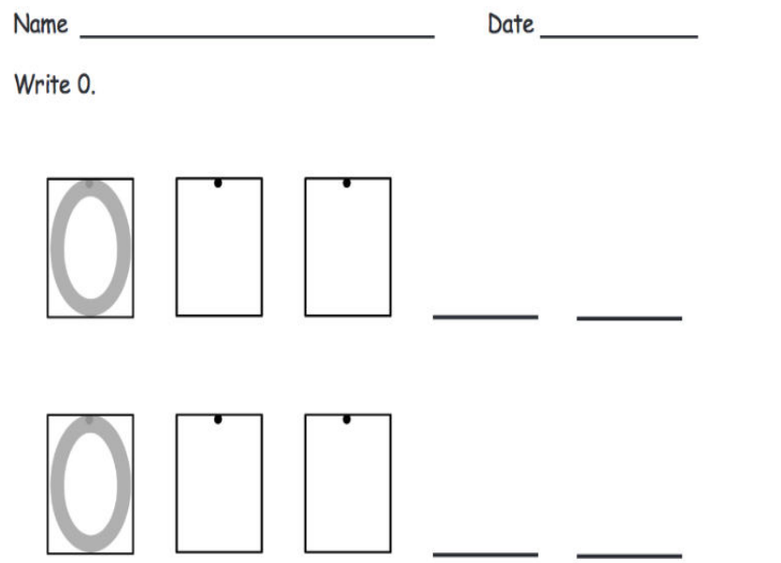
Reflecting your Teaching Style and Learning Needs of Your Students

- 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.



Materials

- (S) 1 die, birthday cake template, crayons
- (S) bag of 5 loose linking cubes (various colors)
- Personal white boards
- Numeral formation practice sheet 0



Name _____ Date _____

Write 0.

0 _____ _____

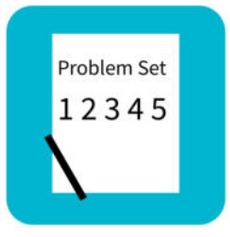
0 _____ _____

Icons

Read, Draw, Write

Learning Target

Personal White Board

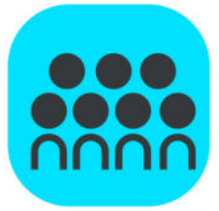


Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

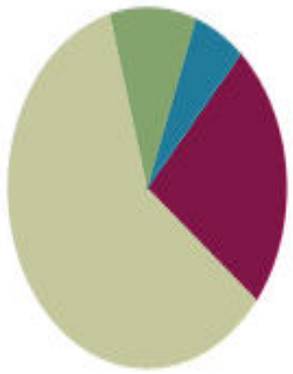
Small Group Time

Lesson 12

Objective: Understand the meaning of zero. Write the numeral 0.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(5 minutes)
Concept Development	(30 minutes)
Student Debrief	(3 minutes)
Total Time	**(50 minutes)**



Fluency Practice (12 minutes)

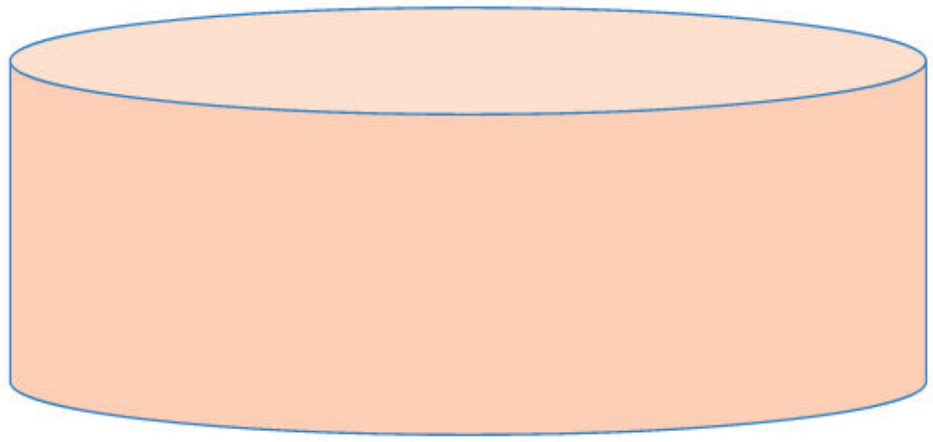
- Birthday Candles **K.CC.4a** (6 minutes)
- Finger Counting **K.CC.2** (3 minutes)
- Sunrise/Sunset Counting to 5 **K.CC.2** (3 minutes)

I can understand the meaning of zero.

I can write the numeral 0.

Birthday Candles (6 min)

1. Roll the die.
2. Touch and count the dots.
3. Put that many "candles" (crayons) on the birthday cake.
4. Without removing the crayons, the next person rolls the die and then adjusts the "candles" to match the roll.

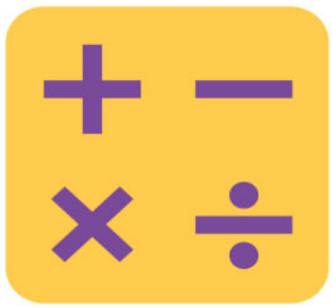


The Birthday Cake

Finger Counting (3min)

Conduct the activity as outlined in lesson 8.

Sunrise/Sunset Counting to 5 (3min)



T: Hold your arms out in a great big circle. Pretend you are the sun! It's morning, and the sun is coming up. Let me see your sunrise (model how to gradually rise up from a crouching position to standing on tip-toes).

S: (Act out the sunrise movement.)

T: Stay there. What does the sun do at night?

S: It goes down.

T: Show me your sunset (return to crouching position).

S: (Act out the sunset movement.)

T: Now, we'll count as we make the sun rise. (Begin with 1 at the lowest position, and count up to 5, reaching the highest position.)

S: 1, 2, 3, 4, 5 (make a circle with their arms and rise up on their toes).

T: Now, sunset.

S: 5, 4, 3, 2, 1 (return down to crouching position).

Application Problem (5 min)

Draw a group of 4 apples. Make some red and some green. Tell your friend how many are red and how many are green.

Did you and your friend have the same?

Concept Development (30 min)

Please put all of your cubes in front of you. Pick up a cube. How many cubes are you holding now?

Pick up 1 more cube, and connect it to your first cube. How high is your tower now?

Pick up 1 more cobe, and connect it to your tower. How high is it now? (continue till all cubes are used)

Hold your tower high! Now, we will take it apart. Take off one of your cubes, and put it on the table. How many are left?

Concept Development

Let’s take off another one. How many are left? (repeat until there is one left)How many cubes are left in your tower?

Please put down the last cube. How many cubes are left in your tower?

The math word is ZERO. Repeat after me: There are ZERO cubes left in my tower.

Our numeral ZERO looks like our fist.

Concept Development

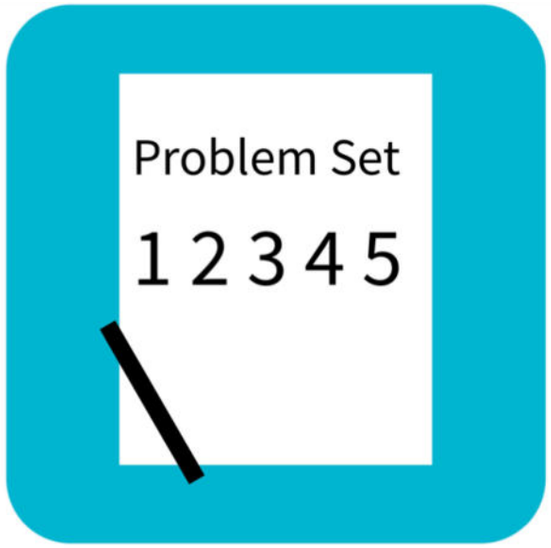
Please put all of your cubes back in the bag. Let's practice writing a zero. Make it with your finger in the air as I draw it on the board.

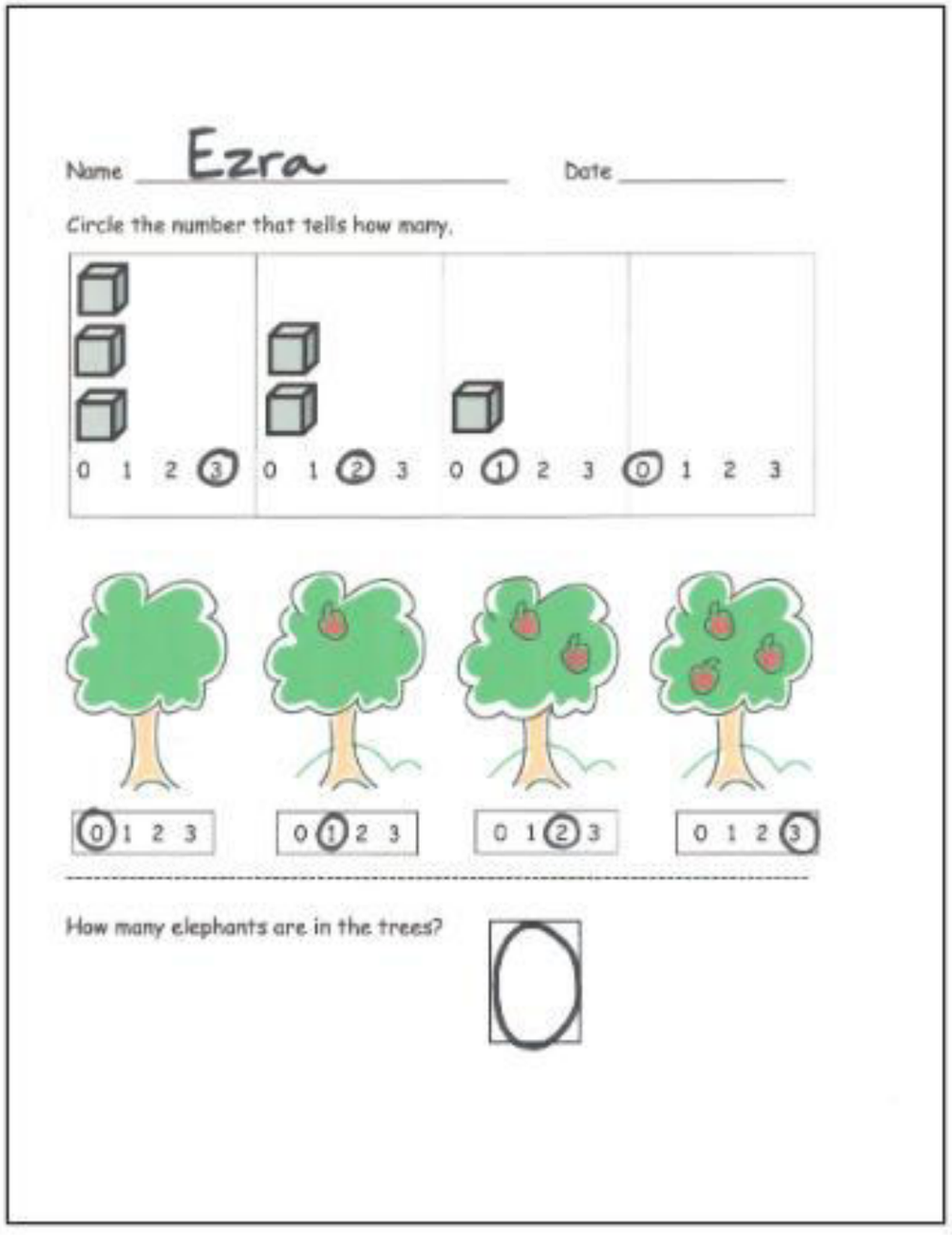
We start at the top middle of the writing frame and then make a big curved line that just touches each side as we go along. We end back at the top.

Let's practice zero a few more times together.

Now practice making zeroes on your own.

Problem Set (5 min)





Debrief (10 min)

- How many eyes (noses, fingers, or feet) do you have?
- How many tails do you have?
- Use this frame to tell about more things we have none of: *We have **zero*** _____ *in our classroom.*
- What is the math word for none?
- Let’s say our rhyme one more time!