Eureka Math

Kindergarten
Module 2
Lesson 7

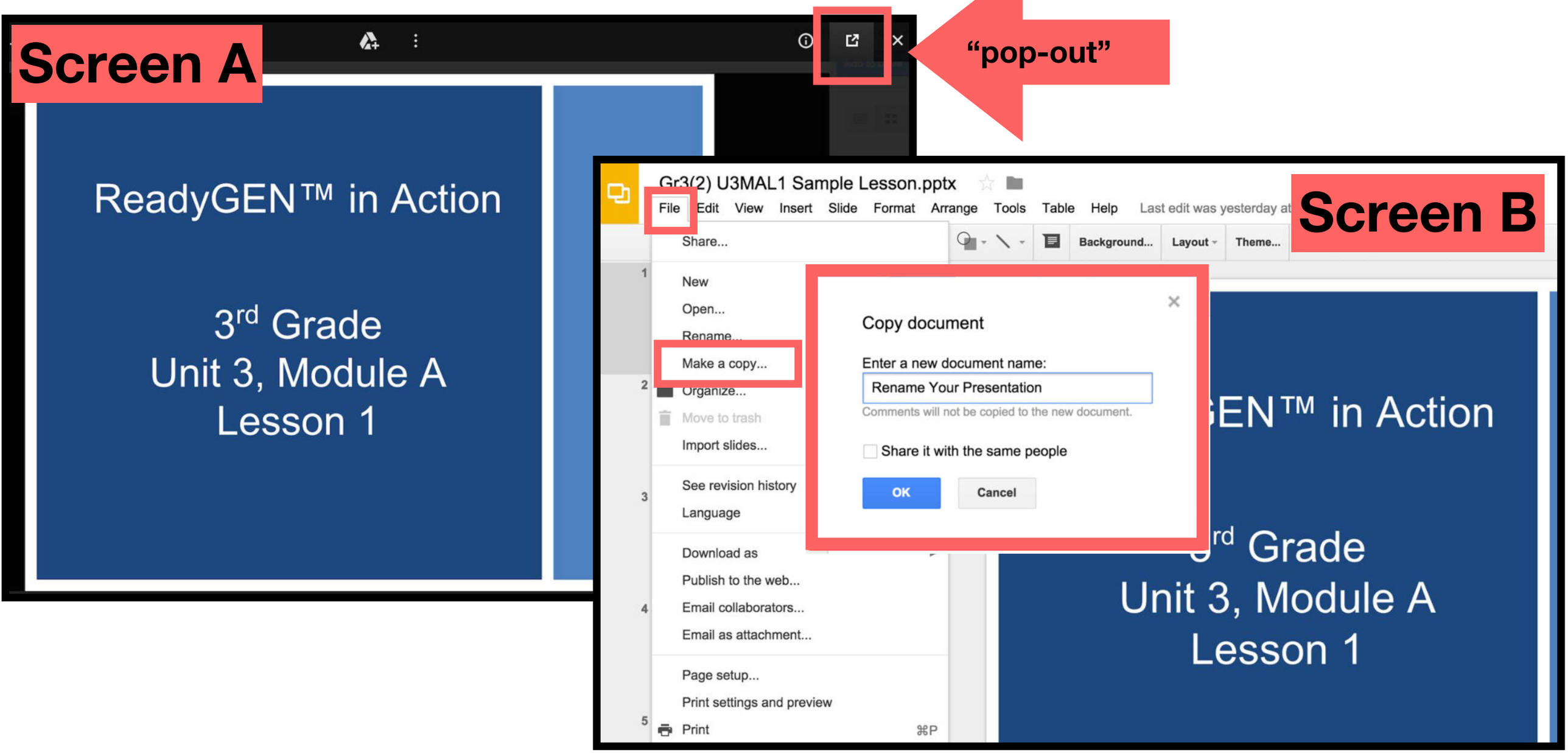
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this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

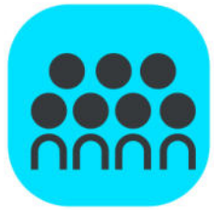
Personal White Board

Problem Set

Manipulatives Needed

Fluency

Think Pair Share



Whole Class

Individual

Partner

Small Group

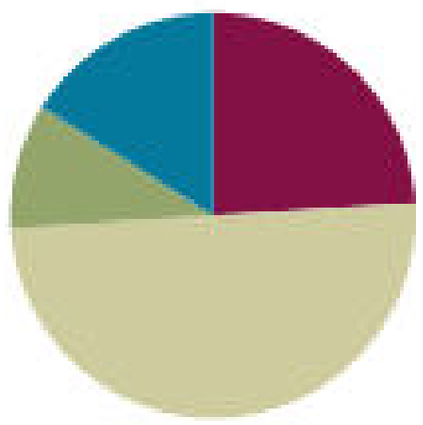
Small Group Time

Lesson 7

Objective: Explain decisions about classification of solid shapes into categories. Name the solid shapes.

Suggested Lesson Structure

Fluency Practice	(12 minutes)
Application Problem	(5 minutes)
Concept Development	(25 minutes)
Student Debrief	(8 minutes)
Total Time	**(50 minutes)**



Materials Needed

Teacher

- 5-group cards (Lesson 1 Fluency Template 3)

Materials Needed

Students

- Assortment of solid shapes (possibly a mixture of everyday objects and manipulative solids)
- 5-Group mats (Lesson 1 Fluency Template)
- 5 Linking cubes per student
- Small piece of modeling clay
- Set of geometric solids including a cube, sphere, cone, and cyinder (1 set per student pair)
- Paper
- Colored pencils or crayons
- Small sticky face stickers

I can sort solid shapes and explain how I sorted. I can name solid shapes.

Show me Shapes

Look at the shapes that are on the rug

I will ask you to find a certain kind of shape

When you find it, hold it up

Show me Shapes

Show me shapes that have points

Show me Shapes

Put them back on the rug, and listen to what I want you to find next

Show me Shapes

Show me shapes that have no points

Show me Shapes

Now, show me shapes that have a curve

Making 5 with 5-Group Mats

Touch and count your cubes

Making 5 with 5-Group Mats

Touch and count the dots on your mat

Making 5 with 5-Group Mats

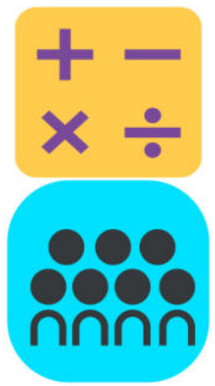
Our job is to make 5. Put 4 cubes on the dots of your mat

Raise your hand when you know how many more cubes to make 5

Making 5 with 5-Group Mats

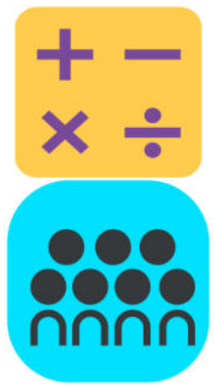
We can tell how to make 5 like this:

4 and 1 make 5



5-Group Hands

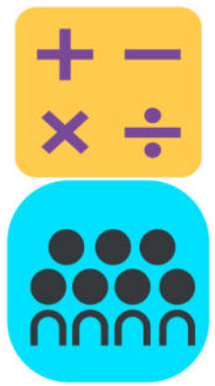
Raise your hands when you know how many dots are on top



5-Group Hands

Ready?

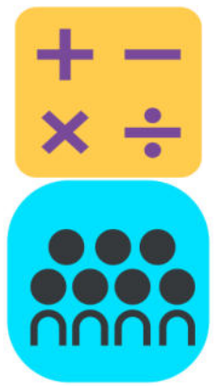
5



5-Group Hands

How many are on the bottom?

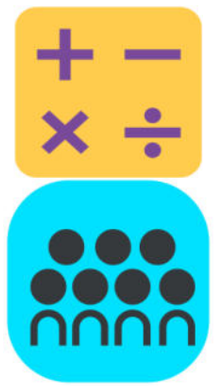
2



5-Group Hands

We can show this 5 group on our hands

5 on top, 2 on the bottom



5-Group Hands

Let’s push our hands out as we count on from 5

Application Problem

Think about the solids you investigated yesterday

Now, listen to the riddle and make this mystery solid with your clay

Application Problem

I am a solid that can roll

I don’t have any corners

I have zero edges

Make me!

Application Problem

When you are done, show the solid to your friend

Do your solids look alike?

Concept Development

Take your solids out of your bag

Concept Development

We are going to look at them carefully to see if any of them have things in common

If they do, we can sort them

Does anyone have any ideas?

Concept Development

This solid is called a **cone**

What do you notice about this solid?

Concept Development

The circle, the flat part of the cone, is called a **face**

Take a smiley sticker and put it on the face of the cone

Concept Development

Do you have other solids that have faces?

Concept Development

Here is a solid has many faces! It is called a **cube**

Put a smiley sticker on each face of the cube

Concept Development

How many faces does it have?

Concept Development

Can we sort our solids into groups of those with a face and those without?

Concept Development

Which of your solids has the most faces?

Concept Development

Put your cube on one of its faces onto your piece of paper

Use your favorite colored pencil to trace around the solid

Concept Development

Now, lift your solid

What do you see underneath?

Concept Development

The face of the cube is a flat **square**

Concept Development

I wonder what would happen if you traced the face of your cone?

Concept Development

Should we trace a face of the cylinder?

Concept Development

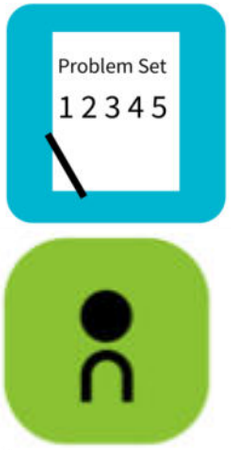
Trace the faces of any of your objects to make shape designs on your paper

Concept Development

Put your solids away

Let’s share our Trace the Face pictures

How are the shapes are the same and how they are different?



Problem Set

Circle the cylinders with red

Circle the cubes with yellow

Circle the cones with green

Circle the spheres with blue

Debrief

Lesson Objective: Explain decisions about classification of solid shapes into categories. Name the solid shapes.

Debrief

- Which objects did you circle that were cylinders? (Cubes, cones, and spheres.)
- What did you need to remember when you were finding the cylinders to circle? (Cubes, cones, and spheres.) Did anyone think of something else?
- What new (or significant) math vocabulary did we use today to communicate precisely? (Emphasize faces, corners, and edges.)
- How can you tell about each shape without using the shape's name?
- How did the Application Problem connect to today's lesson?
- What were some different ways we sorted our shapes?