

Eureka Math

Kindergarten Module 2 Lesson 8

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.

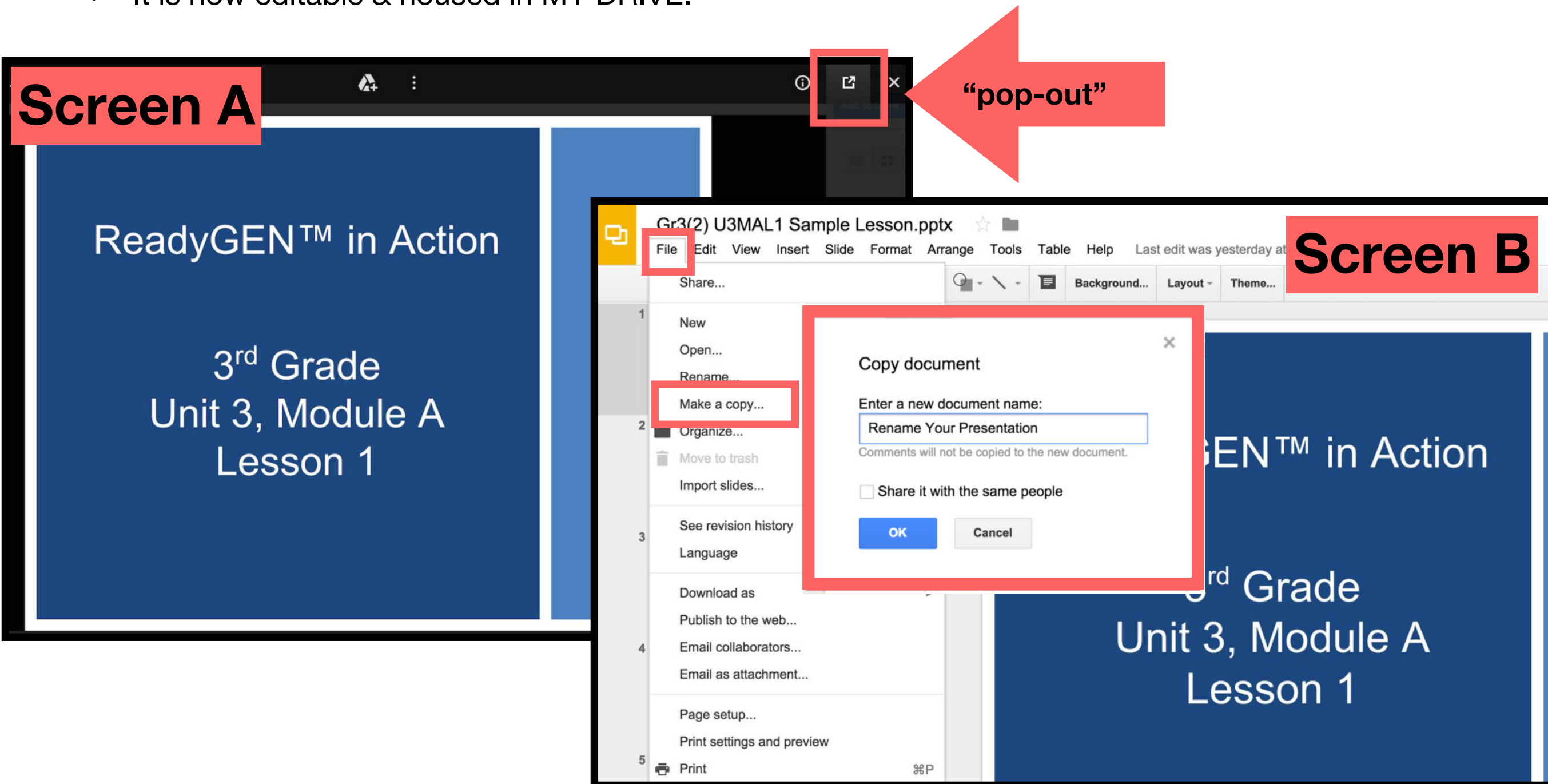


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Customize this Slideshow

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

- Position Cards
- (T) Rekenrek 20 bead
- Small ball of clay (each)
- (T) Set of solid shapes in a paper bag
- Flash Cards: *above, below, beside, in front of, next to, and behind.*
- Set of geometric solids per pair

Icons



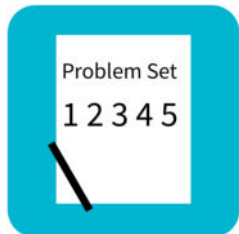
Read, Draw, Write



Learning Target



Personal White Board



Problem Set



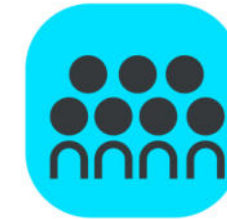
Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



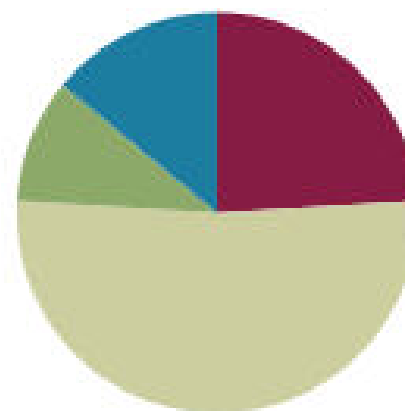
Small Group Time

Lesson 8

Objective: Describe and communicate positions of all solid shapes using the words *above*, *below*, *beside*, *in front of*, *next to*, and *behind*.

Suggested Lesson Structure

■ Fluency Practice	(12 minutes)
■ Application Problem	(5 minutes)
■ Concept Development	(26 minutes)
■ Student Debrief	(7 minutes)
Total Time	(50 minutes)





I can describe and communicate positions of solid shapes using the words *above*, *below*, *beside*, *in front of*, *next to*, and *behind*.



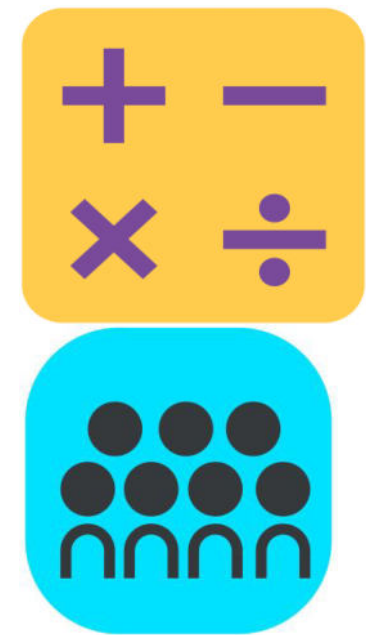
Position Words Game

(4 min)



I am going to give you and your partner directions using position words. Decide who will be partner A and who will be partner B.

Ready? Partner A, put your hand above partner B's head. Stand beside your partner. Partner B, stand in front of Partner A....



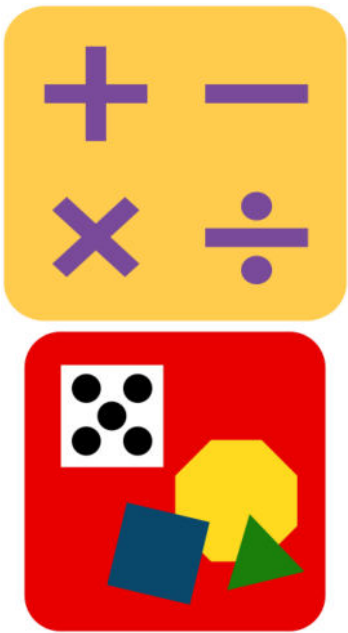
Show Me Shapes (4 min)

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 with points. Put them back. Show
me shapes with curves....



Rekenrek Roller Coaster (4 min)

Let's practice counting with the Rekenrek. Say how many you see.

Now, slowly raise your hands as the numbers increase and lower your hands when the numbers decrease.

1,2,3,2,3,4,3,4,5,4,3...



Application Problem

(5 min)

Make a sphere with your ball of clay. Make your ball into a cylinder. Make your cylinder into a cube. Make your cube into a cone. Put your cone next to your partner's. Partner A put your cone above Partner B's.



Concept Development

(25 min)

We are going to play a math game today called Guess What I Am? I am going to call on a lot of volunteers, so be ready to be mathematicians! I have two bags in front of me. Who can guess what is in my bags?





Concept Development

Student A please come up to help me. I want you to put your hand in this bag and find one of the objects, but don't look at it! See if you can guess what it is just by feeling it. Here is a hint: It is something that we looked at yesterday. Tell us about it.



Concept Development

Take it out of the bag. Is he right? Find your spheres and put them on your desks.

Student B, would you help me next? Find something in the bag, and see if you can tell us what it is without looking. What do you feel?



Concept Development

Is he right? Now, student B take a card out of the other bag. This card says *beside*. Find a cube in your bag and put it beside your sphere. Student C, it's your turn!



Concept Development

Now, choose a card. The card says *above*. Find your cones and put them above the cube. Look! You made a building! (continue calling volunteers)



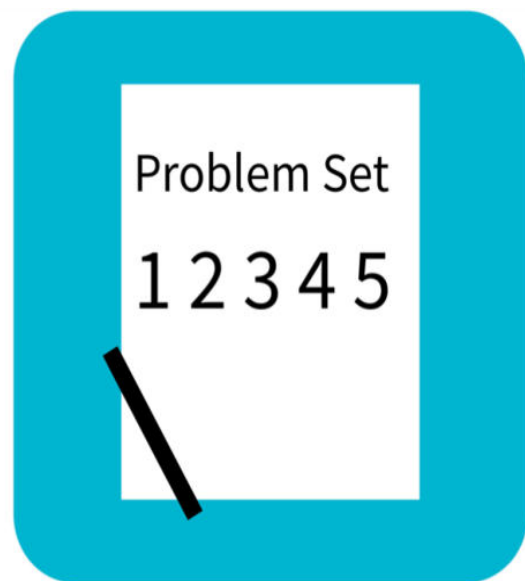
Concept Development

Now arrange the solids on your desk. You will play a similar game with your partner, but in a different way. Tell your partner, “I am the solid that is next to the cube. What am I?” When your partner guesses the solid correctly, it will be his turn to give you a riddle.



Concept Development

Put your solids away in your bag. Put your bag in front of you. I will put your problem sets beside them.



Problem Set

(10 min)

Name _____

Date _____

Name _____

Date _____

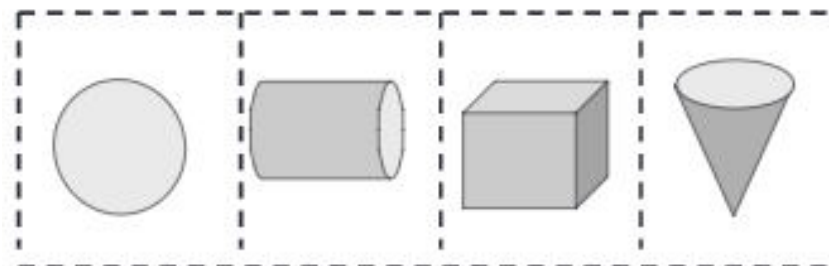
Directions: Read to students.

Paste the sphere **above** the train.

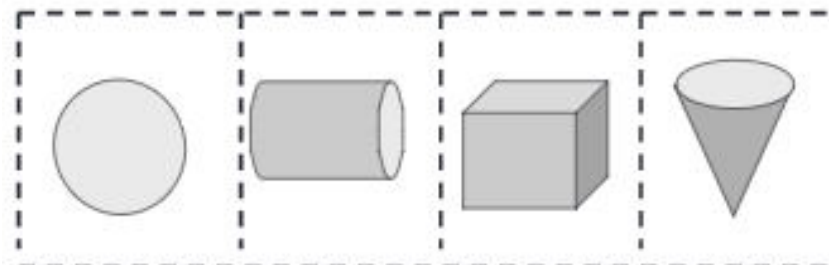
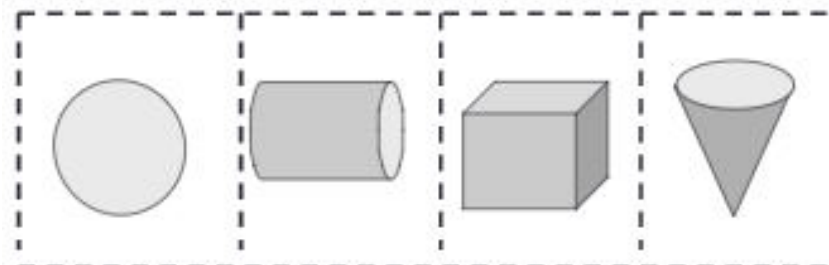
Paste the cube **behind** the train.

Paste the cylinder **in front of** the train.

Paste the cone **below** the train.



Provide one strip
for every student.





Debrief (8 min)

- What new (or significant) math vocabulary did we use today to communicate precisely. Where did you place each solid on your paper? (Go through each direction, and compare where students put their shapes on their paper.)
- Were there important words you needed to know to complete this Problem Set?
- Compare with your partner. Did you put your shapes in the same place as your partner?
- What shapes do you see on your paper?
- How is the Application Problem connect to today's lesson?