



# Digital Tools for Teaching Math Remotely

*Supporting Independent Practice with Explain Everything*

June 12, 2020

# OSSE Division of Teaching and Learning (TAL)

The OSSE TAL Professional Development Team works to deliver responsive systems of professional learning and high-quality technical support to District of Columbia LEAs and schools.

Every Friday in June we will share digital tools that can be used to support the unique needs of teaching math remotely.

- **Friday, June 5, 2020, 2-2:45 p.m.** Facilitating Small Group Math Instruction with Microsoft Teams ([Register here](#))
- **Friday, June 12, 2020, 11-11:45 a.m.** Supporting Independent Math Practice with [Explain Everything](#) ([Register here](#))
- **Friday, June 19, 2020, 2-2:45 p.m.** Creating Instructional Math Videos with [Screencastify](#) ([Register here](#))
- **Friday, June 26, 2020, 11-11:45 a.m.** Digital Math Assessments with [Edulastic](#) ([Register here](#))



# Your Facilitator

- Tanaga Rodgers
- Math Content Specialist
  - NBCT, Early Adolescent Mathematics
  - *Gizmos!* and *Math Solutions*
  - Mom of school-aged children
- Tanaga.Rodgers@dc.gov



# Panelist

- Alexa Cacibauda
- Grade 4 and 5 math
  - Wheatley Education Campus
  - DCPS for five years
  - Twitter: mscacibaudadcps
  - Email: [alexa.cacibauda@k12.dc.gov](mailto:alexa.cacibauda@k12.dc.gov)



# Icebreaker

On a scale of cat,  
how are you feeling  
today?



# Our Norms

## Agreements

- Stay engaged
- Speak your truth
- Assume positive intent as others share
- Be kind to one another... we are all in this together!

## Virtual Engagement

- Please use video when speaking
- Participate in chats and polls
- Keep mic on mute unless speaking to the group

# Agenda

1. Tools & Resource Highlight
2. Q&A + Group Discussion
3. Closing



# Tools & Resources

*In Support of Distance Learning*

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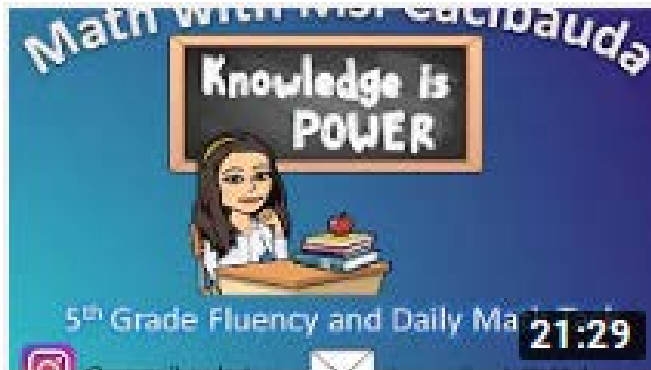
# How can I support students independent math practice remotely?

- Explain Everything
  - Collaborative
  - Interactive whiteboard with infinite canvas
  - Audio + Video + Notation
  - Use with PDF, documents and slides
  - Integrates with Google, Dropbox, YouTube, iCloud and BOX



# What type of feedback are you receiving from parents and students?

## Math with Ms.Cacibauda YouTube Channel



5th Grade, Week 2, Day 3  
(4/1/20)

26 views • 2 months ago



5th Grade, Week 2, Day 1  
DAILY TASK (3/30/20)

53 views • 2 months ago

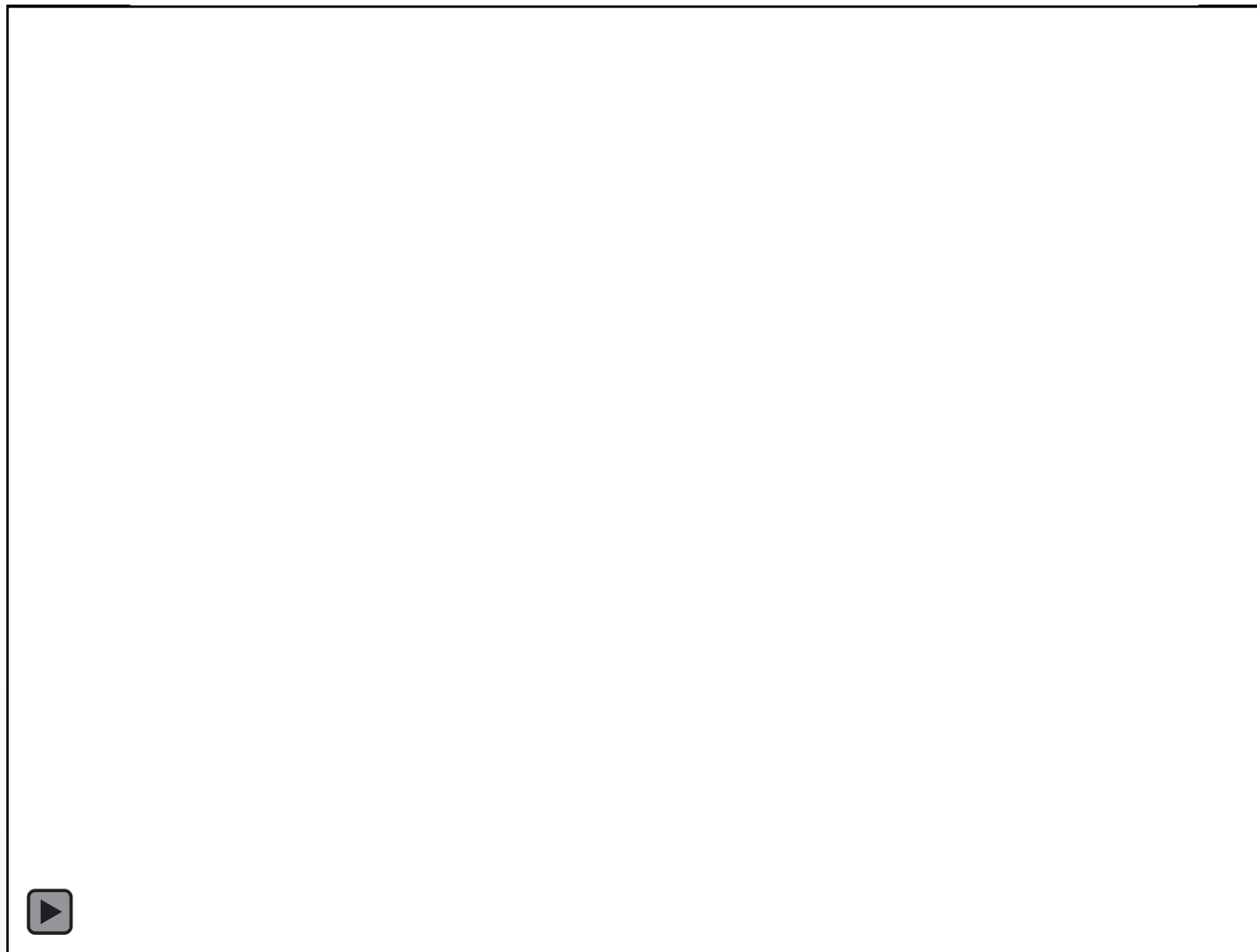
We are doing ok I'm learning all over again with watching your YouTube. Irs a lil late but I wanted to see what he was doing. Have to work with him after I get off from work.

Your jokes are on point

Totally understand. This is a crazy time for so many people and you are doing a great job!! I always start class with a joke of the day. I thought I should continue even on the videos. 😊

Thank you and so are you.  
Thank you for the online help

# What does it look like?





# Represent ideas and use models

Projects 4th Grade...k 6, Day 4

Solve. Write the sum as a mixed number. Draw a model if needed.

a.  $\frac{3}{4} + \frac{2}{8}$


$\frac{3}{4}$  


$\frac{2}{8}$  

$\frac{6}{8} + \frac{2}{8} = \frac{8}{8}$

$= 1$

b.  $\frac{4}{6} + \frac{1}{2}$

$\frac{4}{6}$  

$\frac{1}{2}$  

$\frac{4}{6} + \frac{3}{6} = \frac{7}{6}$

$\frac{7}{6} = \frac{6}{6} + \frac{1}{6} = 1\frac{1}{6}$

District of Columbia Public Schools | SY 2019-20

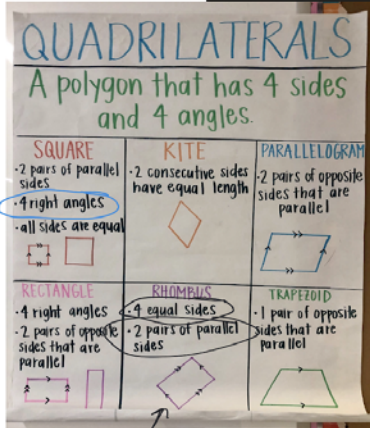
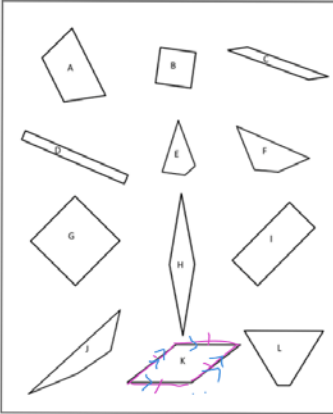
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# Make connections between symbols & concepts

Projects 5th Grade...k 6, Day 4 COLUMBIA SCHOOLS

Objective: I can draw shapes, clarify their attributes, and define shapes based on those attributes.

Daily Fluency: Polygon questions



How many sides are on each shape? 4

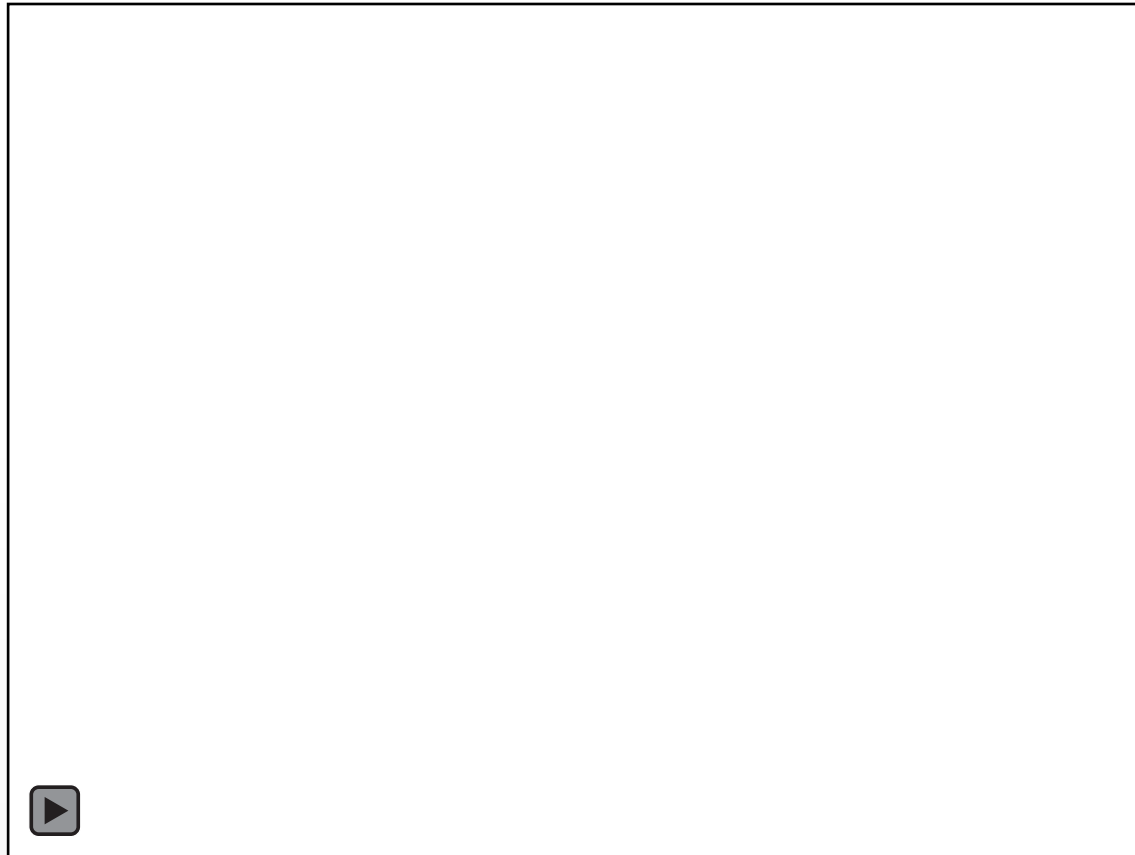
What is the name for any four-sided polygon? quadrilateral

Shape B has four equal sides and four right angles. Write the name of this quadrilateral that is most specific. square

Rhombuses are parallelograms with four equal sides. Is shape G a rhombus? yes

Shape K has four equal sides. Is it a square? no. Is a rhombus always a square? no

# Receive immediate feedback



# Broadcast for Live Collaboration

whiteboard.explaineverything.com/#BQGQHRXV

Apps STEM Productivity OSSE Resources DC GOV Policy & Research PD Resources CCSS Resources Distance Learning Assessment Favorite Math Tools

Projects Whiteboard

NYS COMMON CORE MATHEMATICS CURRICULUM Lesson 1 Problem Set 3•5

Name \_\_\_\_\_ Date \_\_\_\_\_

1. A beaker is considered full when the liquid reaches the fill line shown near the top. Estimate the amount of water in the beaker by shading the drawing as indicated. The first one is done for you.

1 half 1 fourth 1 third

# Recommendations

- Consider the devices available. iPad, tablet or computer with a stylus to write are easiest if you are annotating on the document.
- PDF or picture of worksheet is a an easy start.
- Record video first if you're doing explicit instruction.
- Use errors as teachable moments.
- Record in bite-size chunks.
- Determine privacy and comment settings on whichever platform you share the videos (ex: YouTube).





## Q&A + Group Discussion

*In Support of Distance Learning*

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# Discussion Directions

- Ensure that your video and audio are connected if you are using a phone for audio.
- Remember our norms for virtual engagement.
- There will be guided questions on the next slide; however, feel free to add other ideas and questions as needed.

# Discussion Questions

- 1. How were you supporting students independent math practice when teaching remotely?**
- 2. How might you use Explain Everything in your classroom?**
- 3. What challenges do you anticipate?**



# Closing & Next Steps

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# Technical Assistance is available

## Thinking Partner

- Choosing instructional materials
- Planning lessons

## Individual or Group Support

- Data Dives/Learning Walks
- Customized

## Student-Centered

- Driven by student work
- Focused on student outcomes



[www.osse.dc.gov/distancelearning](http://www.osse.dc.gov/distancelearning)

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## DIVISION OF TEACHING & LEARNING

**WEBSITE:**

<https://osse.dc.gov/service/k-12-teaching-and-learning-resources>

**UPCOMING PD TRAININGS:**

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