



**SWEET HOME CENTRAL  
SCHOOL DISTRICT**

**Parent University: Elementary Math  
Illustrative Math  
Imagine Learning Platform**

**October 12, 2023**

**OUR MISSION: EVERY STUDENT,  
ONE COMMUNITY, READY FOR THE FUTURE.**

**#WEARESWEETHOME**

**Assistant Superintendent of Curriculum and Instruction:**

Dr. Toyia Wilson

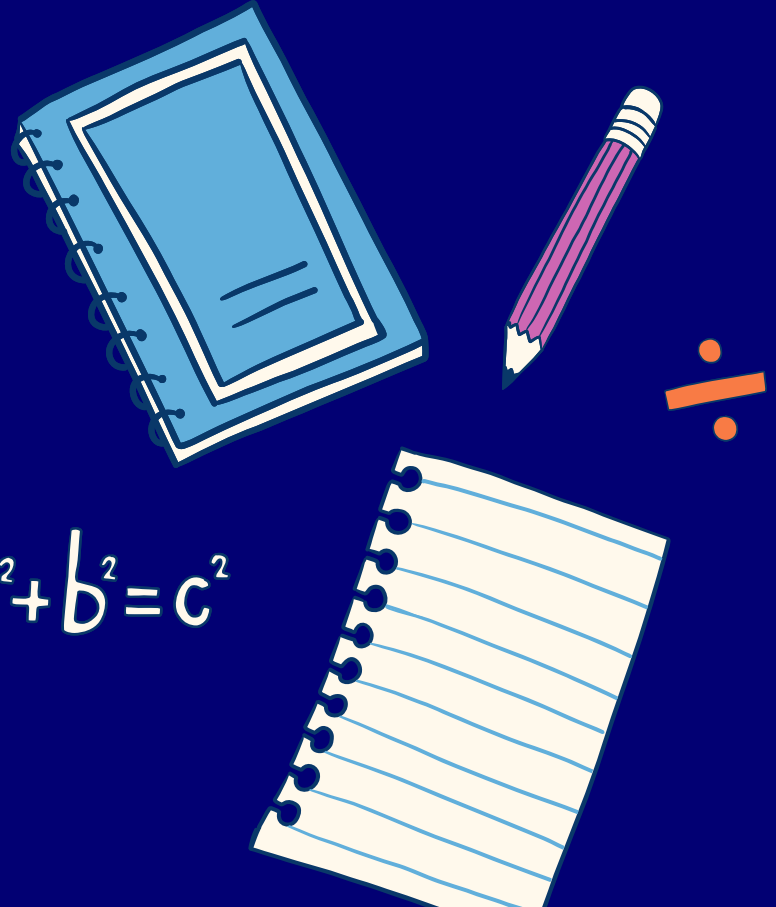
**Director of Curriculum and Instruction:**

Beth Kosakowski

**Elementary Math Coaches:**

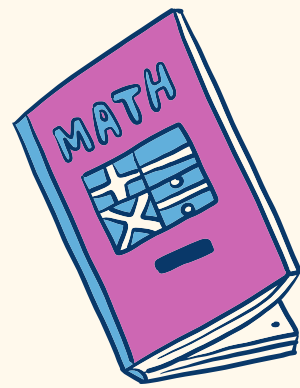
Molly DiPirro (Glendale)  
Jamie Riddoch (Willow Ridge)  
Bonnie Lorentz (Maplemere)  
Kim Gugino (Heritage Heights)

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

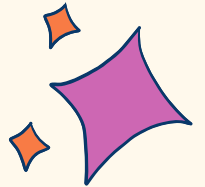
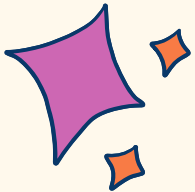


$$a^2 + b^2 = c^2$$

# Illustrative Math

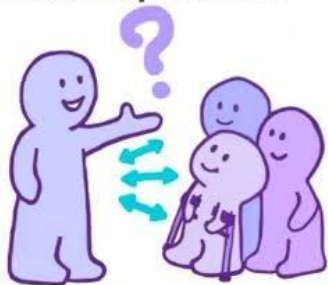


- “Create a world where all learners know, use and enjoy mathematics.”
- More aligned to Next Generation Math Standards
- Problem based teaching & learning curriculum
- Online component

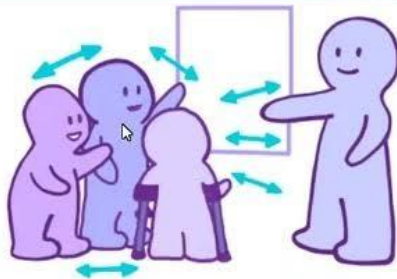


# Problem-Based Teaching and Learning

1. Teacher ensures students understand the question.



2. Students work individually. Teacher monitors, listens, questions.



4. Teacher helps students synthesize their learning.



3. Students work in groups. Teacher monitors, listens, and asks questions to understand students' thinking.



# Meeting the Needs of All K-5 Learners



## Students with Disabilities

Lesson specific supports help students succeed with a specific activity without reducing the mathematical demand of the task



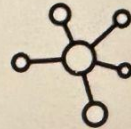
## English Language Learners

The curriculum makes language development an integral part of planning and delivering instruction through embedded, repeated routines.



## Universal Design for Learning

- Consistent lesson structure
- Concrete → Abstract
- Individual - Pair - Group



## Extensions for Students Ready for More

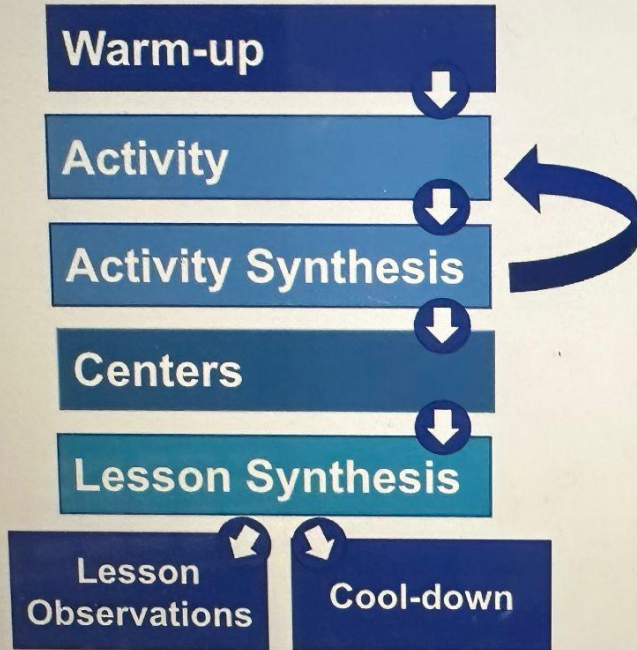
Activities provide an opportunity for differentiation for students ready for more of a challenge. These are called *Exploration Problems*.



# Structure of a Lesson

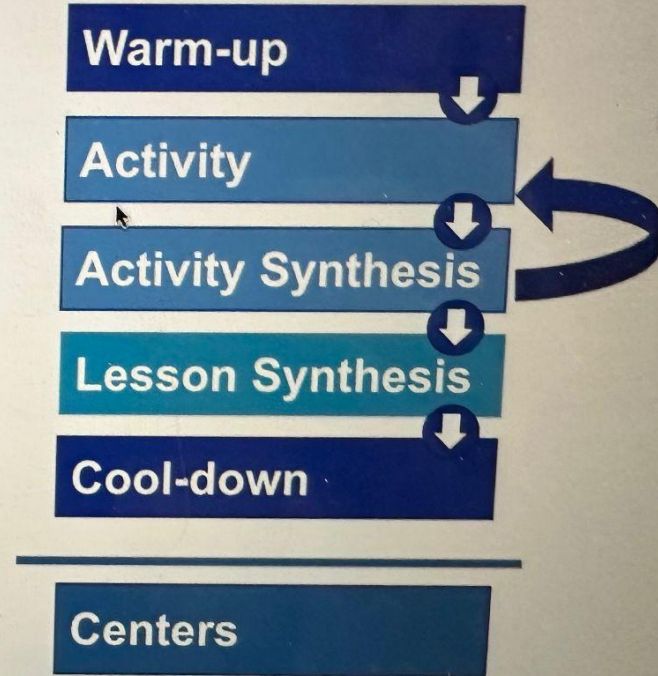
## Grades K – 1

60 Minutes



## Grades 2 – 5

60 Minutes

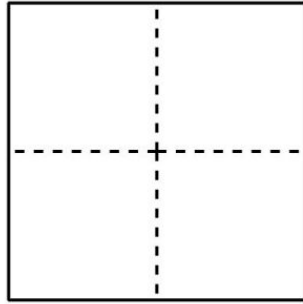


# Learning Progression Video

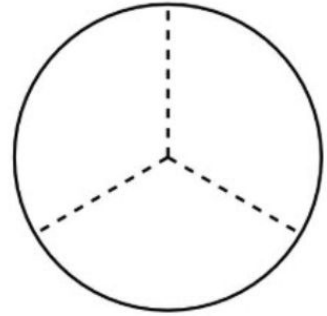
[Grade 4 Unit 2 Learning Progression](#)

# Which One Doesn't Belong?

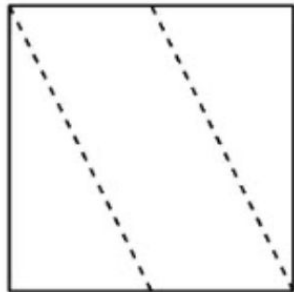
**A**



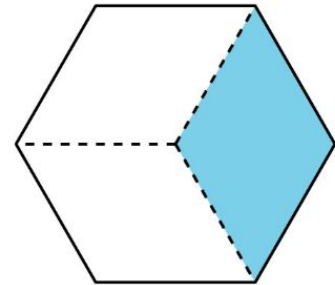
**B**



**C**



**D**



# Number Talk

$$2 \times 12$$

$$4 \times 12$$

$$8 \times 12$$

$$16 \times 12$$

# Inspire Math

[Grade 4 Unit 2 Inspire Math Video](#)

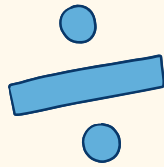
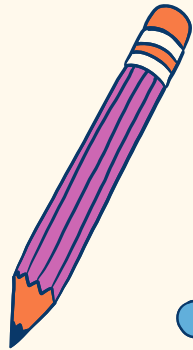
# Lesson

## Lesson 5: Fractions on Number Lines

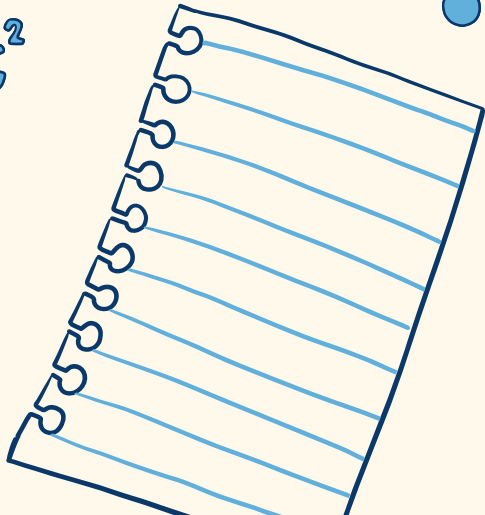
# Centers

Get your numbers in order stage 3 or 4 (digital)

Number line scoot (hands on game)



$$a^2 + b^2 = c^2$$



**Thank you!**