



**River Forest**  
Public Schools

# 5th-8th Grade Math: Daily Classes

Roosevelt Middle School  
September 2025

# 2025-2026 Roosevelt Math Team: General Education Teachers

- Melissa Guio: *5th Grade*
- Sonny Mann: *5th Grade and 5th ATP*
- Joseph Gabel: *6 and 7 Grade & 5th ATP*
- Theresa Sanders: *6th Grade ATP*
- Sapna Shah: *6th Grade*
- Rob Mead: *7th Grade & 7th ATP*
- Melissa Pancer: *7th Grade and 7th ATP*
- Meg Navolio: *8th ATP & Geometry*
- Madison Potts: *8th Grade*
- Kelly Bower: *8th Grade & 8th ATP*
- Nancy Mueller: *Math Specialist*



# Tonight's Plan

- Summary of middle school math current status
- Sample daily schedule with examples
- Scope and sequence overview: grade level math classes
- Overview of ATP courses
- Homework approach
- Continued math curriculum work
- Questions



# Middle School Current Status

- Daily classes are 77 minutes
- Common resource: Desmos
  - **Aligned** to Common Core Math Standards/IL Math Standards
  - Lessons invite a variety of **problem-solving** approaches
  - Engages students in regular **collaboration**
  - Facilitates rich classroom **discussions**
  - Incorporates print and digital materials
  - Engages students in **mathematical practices and critical thinking**
  - Students make **models** and use **strategies** to make **thinking visible**

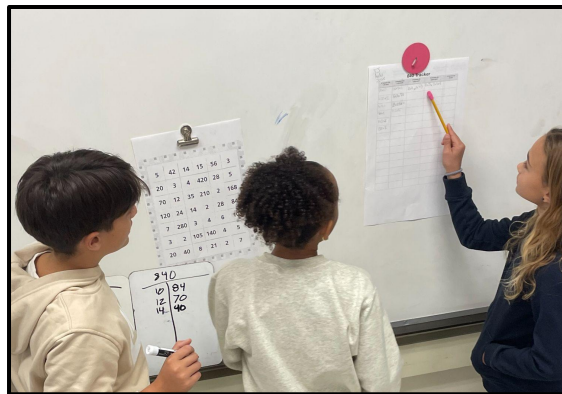


# Sample Daily Schedule

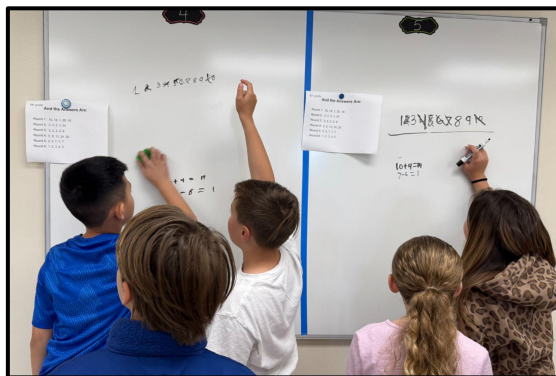
- **Warm up/Number Talk:** based on homework or previous lesson (5-10 min)
- **Thinking Tasks:** Visible problem solving, critical thinking tasks, collab. learning, (15-25 min)
- **Desmos Lesson** (~40 minutes)
  - Warm Up: Connect to prior learning and launch topic
  - Activities: Mini activities to challenge students' problem solving skills related to the lesson goals
  - Practice: Usually with partners
  - Synthesis: Whole class discussion to review and bring important concepts from the lesson together
  - Show What you Know/Exit Slip: Independent formative assessment
- **Independent Practice**
  - Task cards (additional practice within or based on Desmos)
  - Personalized independent practice: Freckle (5th Grade) or Delta Math (6th-8th)
  - Extension/Challenge problems
  - Math Games (i.e. Nerdle, math cards, dice, etc.)

# Thinking Tasks Examples

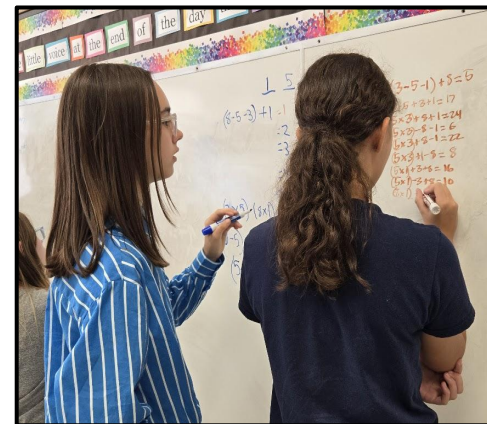
## 5th Grade



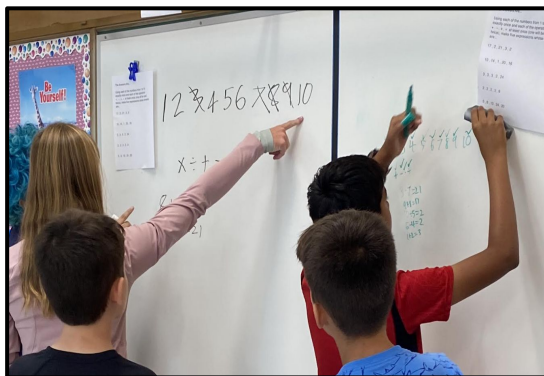
## 6th Grade



## 8th Grade



## 7th Grade

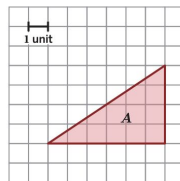


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# Desmos Lesson: 6th Grade Unit 1 Exploring Triangles

## Warm-Up

- Determine the area of triangle A. Show or describe your thinking.



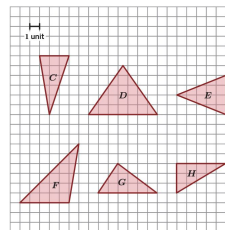
## Activity 2

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Lots of Triangles

- Determine the area of as many of these triangles as you can.

Triangle	Area (sq. units)
C	
D	
E	
F	
G	
H	



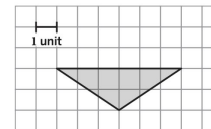
- Describe the strategy that was most helpful to you. Did this strategy work for all the triangles?

## Show What You Know



1.06

Determine the area of this triangle. Show or explain your thinking.

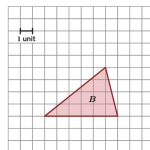


## Activity 1

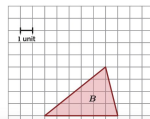
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Area Strategies

- Determine the area of triangle B. Show or describe your thinking.

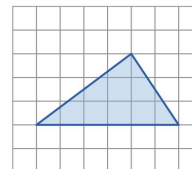


- Find a classmate who calculated the area of triangle B using a different strategy. Show or describe how your partner calculated the area.



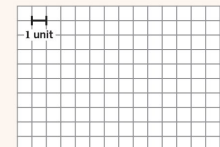
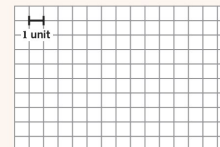
## Synthesis

- Describe a strategy to determine the area of a triangle. Use the example if it helps with your thinking.



## Explore More

- Draw two different triangles that both have an area of 18 square units.



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# 5th Grade Desmos Scope and Sequence

- Unit 1: Volume
- Unit 2: Fractions as Quotients and Fraction Multiplication
- Unit 3: Multiplying and Dividing Fractions
- Unit 4: Multiplication and Division With Multi-Digit Numbers
- Unit 5: Place Value Patterns and Decimal Operations
- Unit 6: More Decimal and Fraction Operations
- Unit 7: Geometry and Patterns



# Grade 6 Desmos Scope and Sequence

- Unit 1: Area and Surface Area
- Unit 2: Introducing Ratio
- Unit 3: Unit Rates and Percentages
- Unit 4: Dividing Fractions
- Unit 5: Decimal Arithmetic
- Unit 6: Expressions and Equations:
- Unit 7: Positive and Negative Numbers:
- Unit 8: Describing Data

# Grade 7 Scope and Sequence

- Unit 1: Scale Drawings
- Unit 2: Introducing Proportional Relationships
- Unit 3: Measuring Circles
- Unit 4: Proportional Relationships and Percentages
- Unit 5: Operations with Positive and Negative Numbers
- Unit 6: Expressions, Equations and Inequalities
- Unit 7: Angles, Triangles, and Prisms
- Unit 8: Probability and Sampling

# Grade 8 Scope and Sequence

- Unit 1: Rigid Transformations
- Unit 2: Dilations Similarity and Slope-
- Unit 3: Proportional and Linear Relationship
- Unit 8: The Pythagorean Theorem\*
- Unit 4: Linear Equations and Linear Systems
- Unit 5: Functions and Volume
- Unit 6: Associations in Data
- Unit 7: Exponents and Scientific Notation



## Overview: ATP Courses

5th ATP	5th and 6th Grade Standards
6th ATP	6th and 7th Grade Standards
7th ATP	Review of priority 7th Grade Lessons/Standards 8th Grade Standards
8th ATP	Review of Exponents Review of Linear Relationships Desmos Algebra 1 Foundational Geometry (8th Grade Standards)

# Common Homework Approach

- Weekly homework packet in grade level math
  - About 10-15 questions total, 20-70 minutes per week
  - Spiral approach: cumulative review of skills
  - Checked in class once a week
- Study guides to prepare for end of unit assessments



# Continued Math Curriculum Work

- Regular grade level and department collaboration
  - Pacing reflection and refinement
  - Analyzing student performance data
    - Common Assessments: Sub-Unit Quizzes and End of Unit Assessments
- Continue collaboration with D200 with the goal of developing common assessments for Math I and Math II



*Thank you!*

Questions?



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