OMI - Progress Monitoring Summary: November 2024

The percentage of all Cadets performing math at grade level as measured by state tests (SBAC Math) will increase to **30%** proficiency/met rate March 2025.

1. Identified Current State - Sep 24
2. Identified Strengths & Barriers - Sep 24
3. Implementation of Action Plan - Oct 24
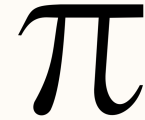4. Assess and Adjust * - Nov 24

Interim Goals for Specific Standards.

Monthly - Formative Interim Assessment Benchmarks (FIAB)

Not Started	Significantly Off Track	Off Track	Partially On Track	On Track	Completed
			X		

Math Program Lines of Effort
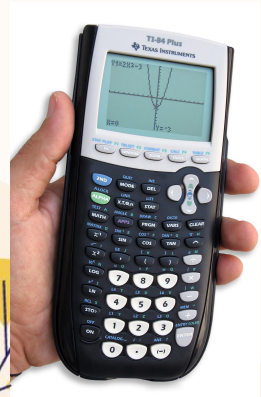
Core Grade/Course Classroom Instruction	Math Intervention (Plus) Classes

Math Tutoring Push-In & Pull-Out

Supplemental Programs IXL, Classtime, Math 180

Professional Development & Support: Silicon Valley Math Initiative

Weekly Math Collaboration/Monthly Interim Assessment Calibration

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Classroom Instruction

In this **MATH** CLASSROOM we...

- use math manipulatives and tools
- make sense of patterns and numbers
- make our own choices when selecting a strategy to solve a problem
- ask questions to deepen our mathematical understanding
- listen to the ideas of others and respond to their thinking respectfully
- attend to precision and revise our thinking based on our reflections of whether an answer makes sense
- COMMUNICATE OUR REASONING
- make our own choices when deciding how to represent our thinking
- persevere with challenging problems
- know that mistakes are part of the learning process

© K-8 Math Teaching Resources

- Focus on engaging and interactive lessons.
- Use of manipulatives and visual aids to enhance understanding.
- Encouraging problem-solving and critical thinking skills.
- Performance Tasks

Math Intervention and Tutoring

- Math Intervention Classes target students needing extra support.
- Tutoring sessions available both during and after school.
- Push in and pull out strategies to provide personalized help.

Supplemental Programs

- IXL, Classtime, and Math 180 used to reinforce skills.
- Interactive and adaptive programs tailored to student needs.
- Track progress and identify areas for improvement.

IXL

Eighth grade math

IXL offers hundreds of eighth grade math skills to explore and learn! Not sure where to start? Go to your personal select a skill plan that aligns to your textbook, state standards, or standardized test.

A. Integers
1 Compare and order integers
2 Integer addition and subtraction rules
3 Add and subtract integers using counters
4 Add and subtract integers
5 Add and subtract three or more integers
6 Add and subtract integers: word problems
7 Integer multiplication and division rules
8 Multiply and divide integers
9 Evaluate numerical expressions involving integers

B. Rational numbers

M. One-variable equations
1 Which x satisfies an equation?
2 Write an equation from words
3 Model and solve equations using algebra tiles
4 Write and solve equations that represent diagrams
5 Properties of equality
6 Identify equivalent equations
7 Solve one-step equations
8 Solve two-step equations
9 Solve two-step equations: complete the solution
10 Solve one-step and two-step equations: word problems
11 Solve equations involving like terms

Skill gains per student ⊙

8.9 skills practiced

5.2 skills proficient   SmartScore 80+

4.8 skills mastered   SmartScore 100

Professional Development and Collaboration

- Ongoing training through Silicon Valley Math Initiative.
- Focus on effective teaching strategies and curriculum development.
- Weekly collaboration sessions for teachers to share ideas and resources.
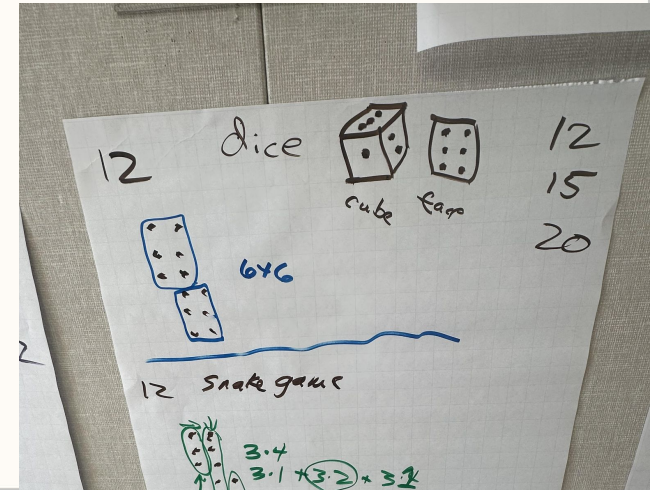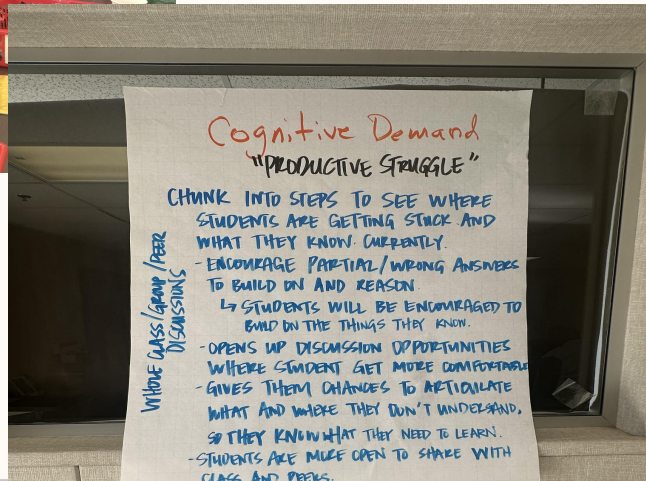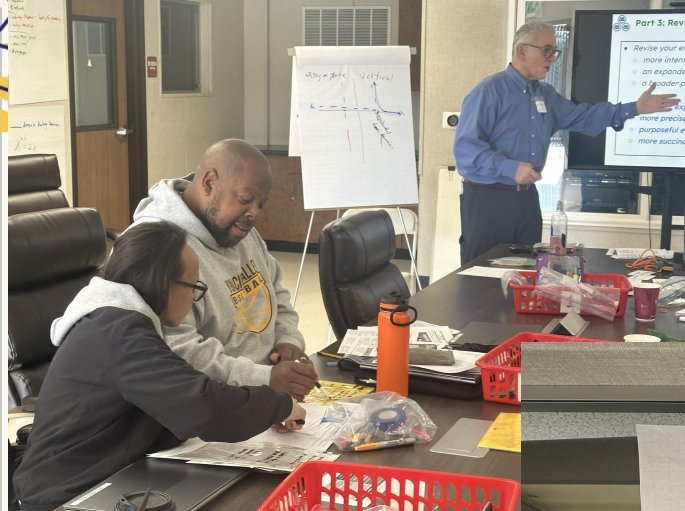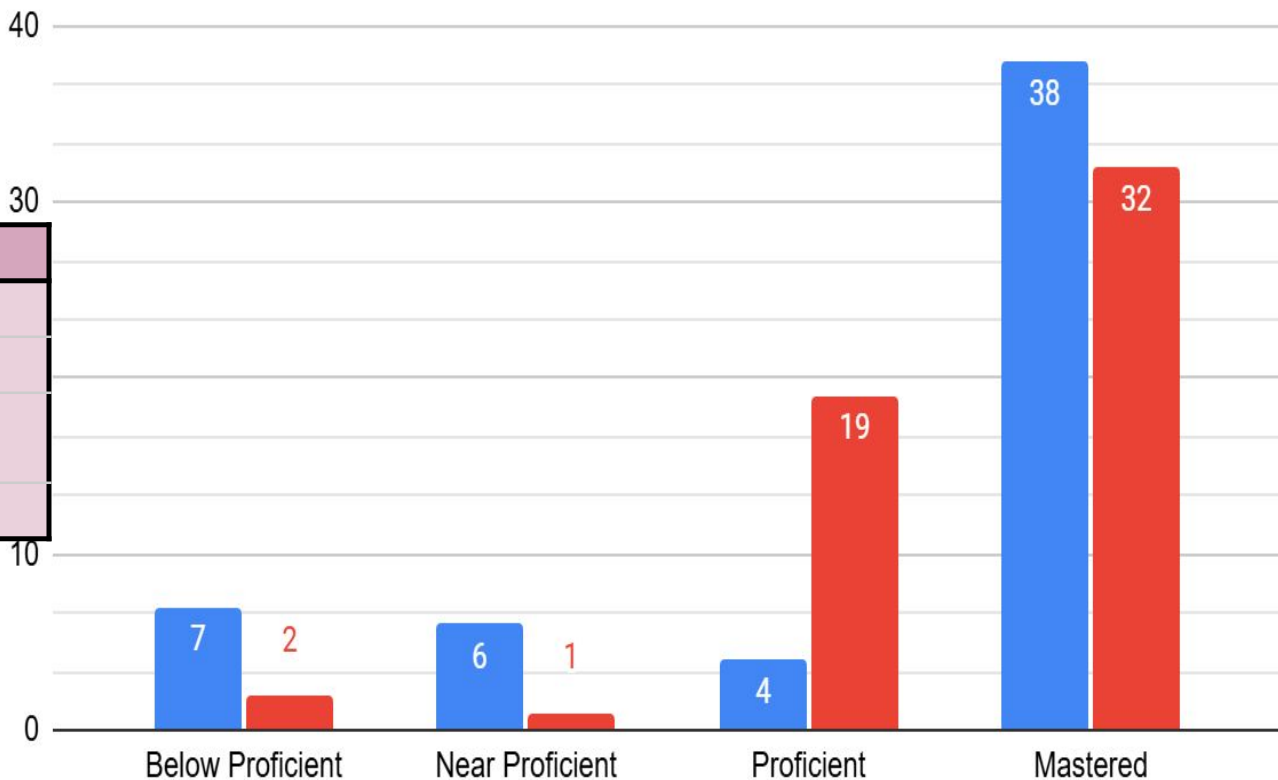
Interim Comprehensive Assessments: Baseline - Oct 2024

% of students

	MS	HS
Not Met	72	55
Nearly Met	22	27
Met	4	14
Exceeds	2	3
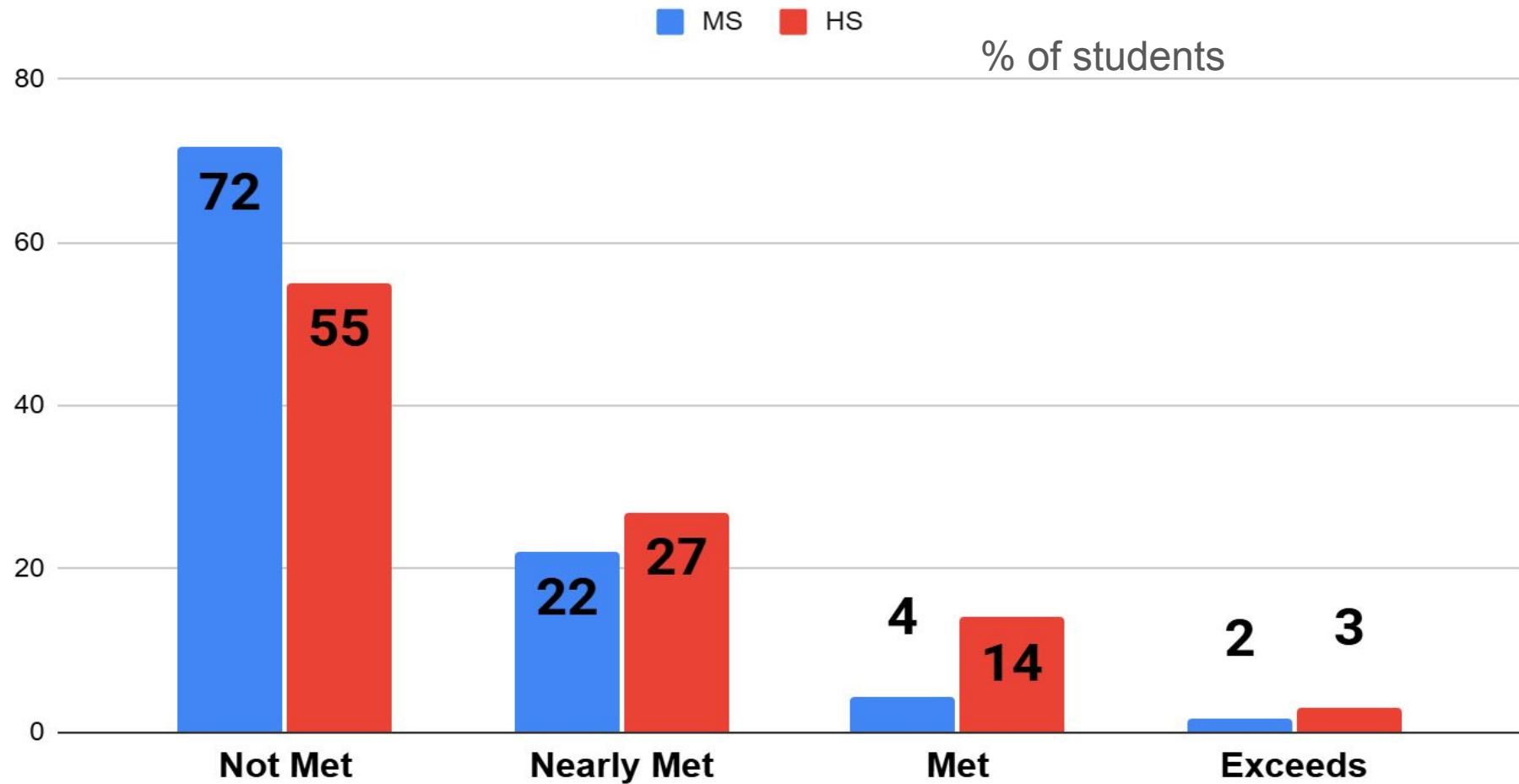
Grade 6 Snapshot

Grade 6: Multiply 2 Fractions, using memorized X facts, simplify as needed

Summary (Average)	
Count of Students	60
Total # Skills Mastered	3.42
Total # Skills Proficient	3.78
Total # Skills Practiced	6.83

Legend: Pre-Test (blue), Post Test (red)

	Below Proficient	Near Proficient	Proficient	Mastered
Pre-Test	7	6	4	38
Post Test	2	1	19	32

Grade 7 Snapshot

Grade 7: Multiply Rational Numbers requiring operations to satisfy properties, particularly distributive property, and rules for multiplying signed numbers
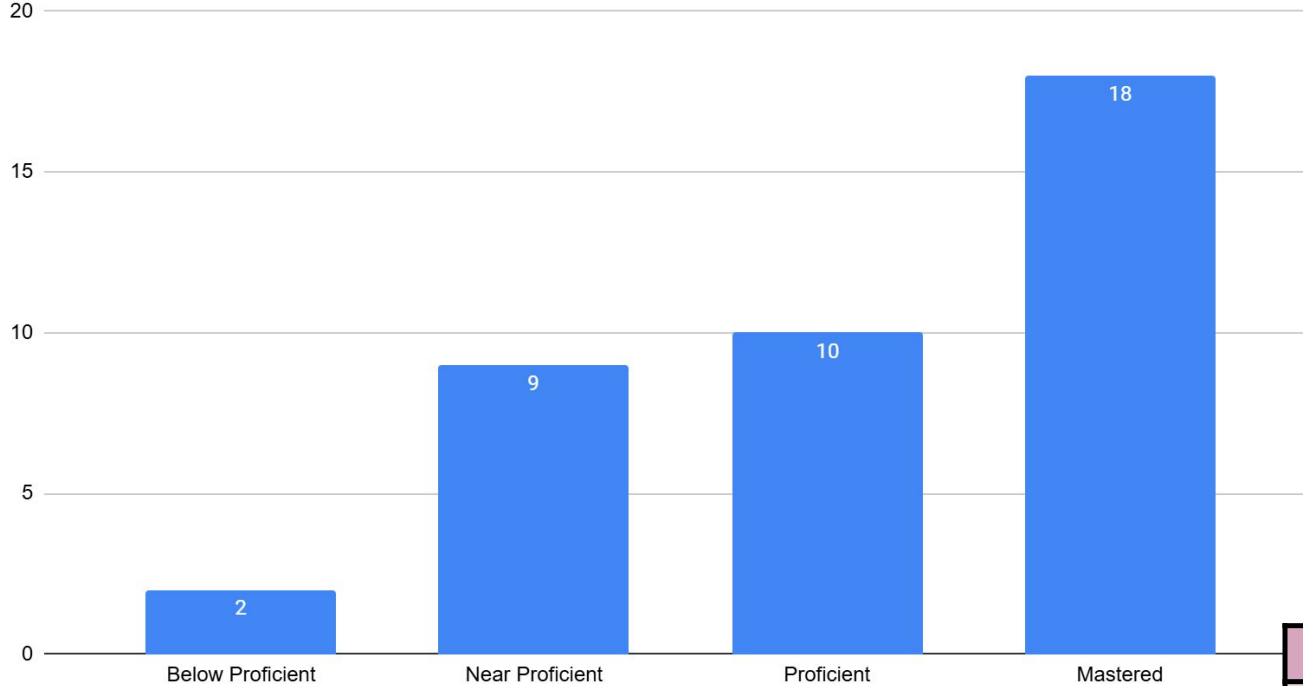

Legend: ■ Pre Test ■ Post Test

Categories: Below Proficient, Near Proficient, Proficient, Mastered

IXL LEARNING
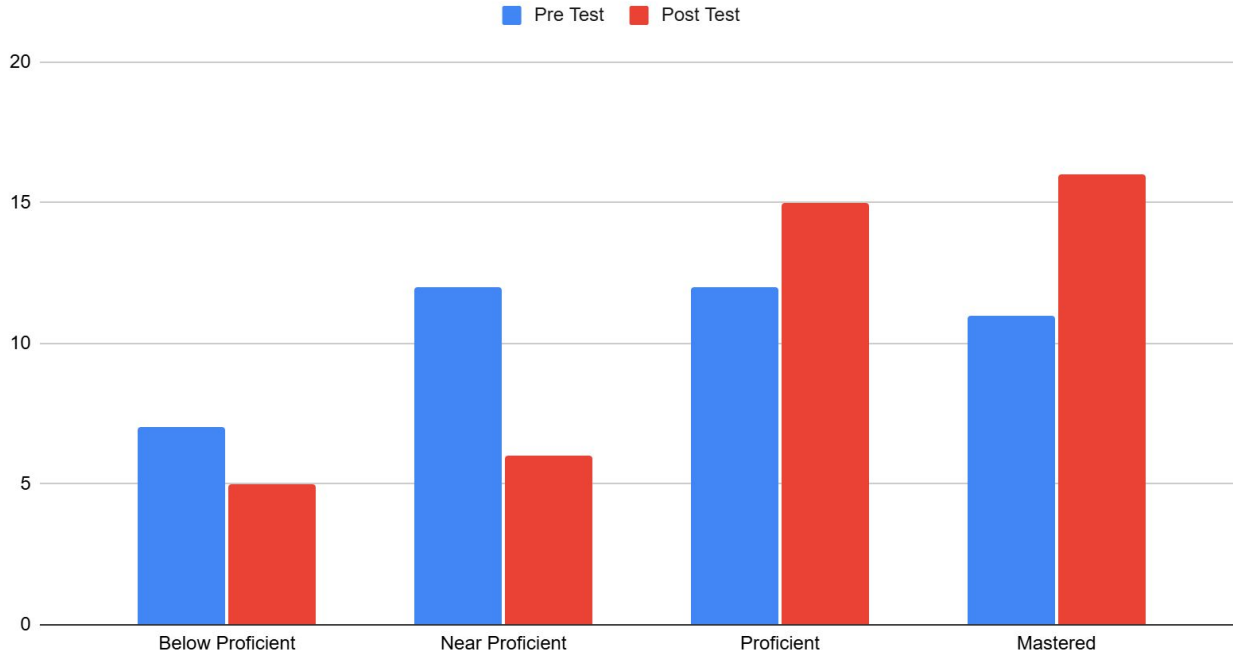
Summary (Average)	
Count of Students	**86**
Total # Skills Mastered	**6.03**
Total # Skills Proficient	**6.89**
Total # Skills Practiced	**13.44**

# Grade 8: Finding Slope - Calculate Slope from a graph, Two points on a line, or a given Linear Equation

8th Grade Math Snapshot

Summary (Average)	
Count of Students	**102**
Total # Skills Mastered	**5.51**
Total # Skills Proficient	**5.91**
Total # Skills Practiced	**11.31**

Geometry: Make formal geometric constructions with a variety of tools and methods (compass and straightedge, string, reflective devices, paper folding, dynamic geometric software, etc.).

Geometry Snapshot

■ Pre-Test ■ Post-Test
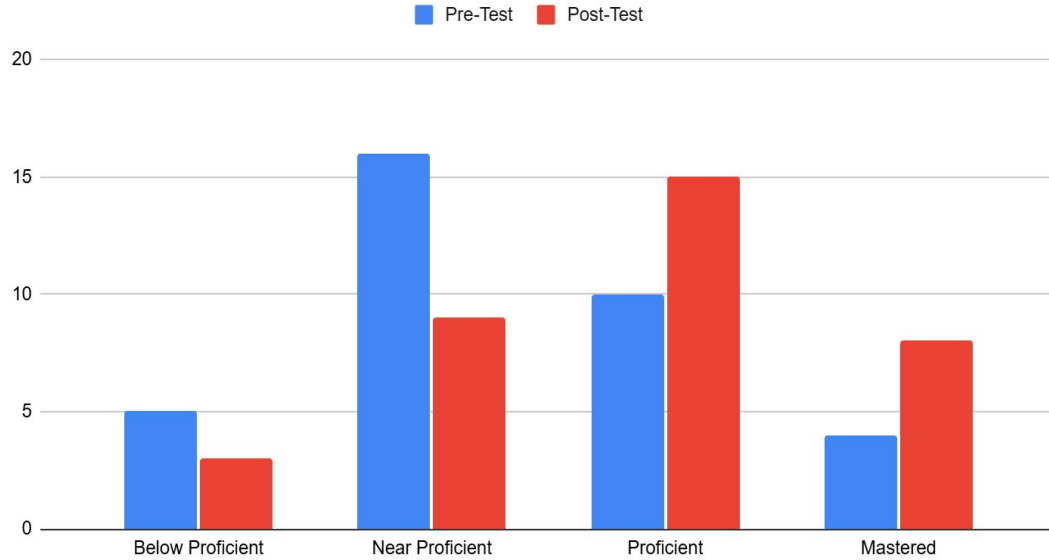
Summary Average (Prevot)	
Count of Students	**46**
Total # Skills Mastered	**7.3**
Total # Skills Proficient	**8.02**
Total # Skills Practiced	**11.52**

Summary Average (Brosio)	
Count of Students	**23**
Total # Skills Mastered	**3.74**
Total # Skills Proficient	**4.3**
Total # Skills Practiced	**7.52**

IXL
LEARNING

Algebra 1
Snapshot

Teacher Data Not Submitted

Summary Average (Brosio)	
Count of Students	64
Total # Skills Mastered	0.97
Total # Skills Proficient	1.16
Total # Skills Practiced	4.95

Algebra II: Solving & Graphing Inequalities of one variable

ALG II Snapshot

Legend: ■ Pre Test ■ Post Test

Summary Average	
Count of Students	**65**
Total # Skills Mastered	**7.78**
Total # Skills Proficient	**7.94**
Total # Skills Practiced	**9.58**
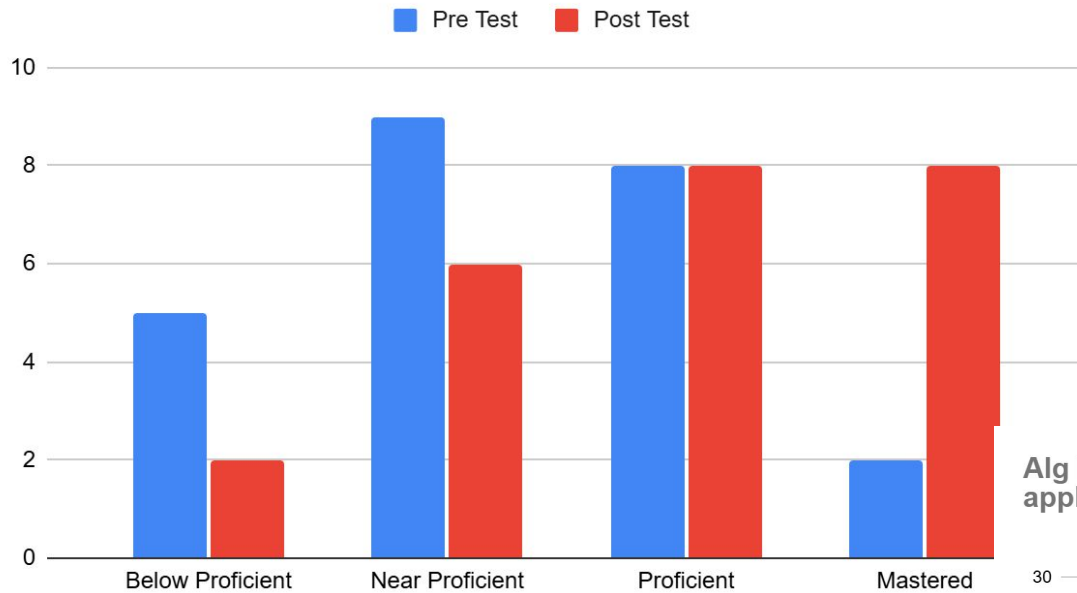
Alg II: Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.

Legend: ■ Pre-Test ■ Post-Test