



THE SCHOOL DISTRICT OF  
PHILADELPHIA

Office of Evaluation, Research, and Accountability

# Research Roundup Webinar Series #2: Assessing Student Math Performance in Grades 3-8

April 20, 2022

# Agenda

- **About ERA and the Research Roundup Webinar Series**
- **Part 1:** Math in grades 3-8: What is it and why is it important?
- **Part 2:** How the within-year tests we administer measure math skills
- **Part 3:** Additional context and resources
- **Q & A**

This webinar is being recorded.

The recording and a PDF of the slide deck will be available at: [philasd.org/research/roundup](https://philasd.org/research/roundup)

Please introduce yourself in the chat!

# Evaluation, Research, and Accountability

[philasd.org/era](http://philasd.org/era)

## Evaluation, Research, and Accountability

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News About Offices Goals and Guardrails Tools Reports Data Professional Development Contact



### What can we help you find?

Every year, we collect millions of data points on student achievement, leadership, school climate, and progress.

Our offices work with the data to evaluate and report outcomes and develop informational tools.



Office of Research and Evaluation

District Performance Office

Planning and Evidence-Based Supports Office

Office of Assessments

Office of Data Governance

# Evaluation, Research, and Accountability

**THE SCHOOL DISTRICT OF PHILADELPHIA**

Compare Schools | User Guide | Video Tutorials

### SCHOOL PROFILES

Find out how a school or group of schools is performing.

Search for a school or narrow your search using the filters below. You can also view data for groups of schools (for example, all Charter Schools or all Network 1 schools) by clicking on "School Groupings."

Find a School | School Groupings

Search for a school:

Begin typing | Search

Filters | +

- ACADEMY AT PALUMBO
- ACADEMY FOR THE MIDDLE YEARS (AMY) AT NORTHWEST
- AD PRIMA CHARTER SCHOOL
- ADAIRE, ALEXANDER SCHOOL
- ALLEN, DR. ETHEL SCHOOL
- ALLEN, ETHAN SCHOOL
- ALLEN, RICHARD PREPARATORY CHARTER SCHOOL
- ALLIANCE FOR PROGRESS CHARTER SCHOOL
- ALTERNATIVE MIDDLE YEARS (AMY) AT JAMES MARTIN
- ANDERSON, ADD B. SCHOOL
- ARTHUR, CHESTER A. SCHOOL
- ARTS ACADEMY AT BENJAMIN RUSH

### PHILADELPHIA PUBLIC SCHOOLS

DATA FOR DISTRICT, CHARTER, ALTERNATIVE, AND OTHER/CYBER STUDENTS AND SCHOOLS

Enrollment: 2021-2022 (next update November 2022)  
Performance data: 2020-2021 for Attendance and College & Career data; 2019-2020 for suspension rates; 2020-2021 for Survey results; 2018-2019 for all other data due to COVID (next update February 2022)

In Spring 2020, students and schools were impacted by COVID-19, including related closures and assessment cancellations. Comparison of 2019-20 data to prior years should be made with caution.

### TOTAL ENROLLMENT

198,645

SCHOOL DISTRICT OF PHILADELPHIA  
CENTRAL OFFICE  
440 N. Broad Street  
Philadelphia, PA 19130  
p: 215-400-4000

### TOTAL SCHOOLS

325

DISTRICT SCHOOLS 216  
ENROLLMENT 114,902

CHARTER SCHOOLS 85  
ENROLLMENT 66,890

ALTERNATIVE SCHOOLS 24  
ENROLLMENT 2,766

OTHER/CYBER CHARTERS  
ENROLLMENT 14,087

### 2018-19 PSSA & KEYSTONE - ELA PERFORMANCE (ALL GRADES)

36% | 1 POINT DECREASE FROM LAST YEAR

The percentage of students who scored Proficient or Advanced on the state standardized English Language Arts exam.

DISTRICT PROGRESS TOWARDS GOALS AND GUARANTEES  
MORE PUBLIC SCHOOLS DATA  
DISTRICT FAST FACTS

### 2018-19 PSSA & KEYSTONE -

### 2018-19 READING ON GRADE

[philasd.org/opendata](https://philasd.org/opendata)

## School Information

Click below to expand the table to view a description of the data and download a data set for a specific school year. You can also download a Zip file that contains all available years for a specific School Information category.

The public release of this data supports our goals to promote greater transparency and community engagement. Before accessing these data, please review the [Terms and Conditions](#).

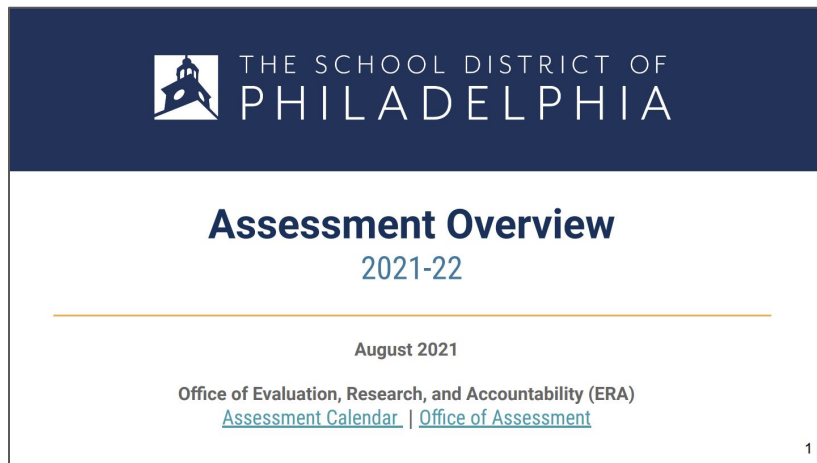
- + School Lists
- + School Enrollment & Demographics
- + District Enrollment & Demographics
- + Pre-School Information
- + Catchment Feeder Schools
- + School Catchment Areas
- + School Catchment Retention Details
- + School Catchment Retention Counts
- + District Wide Surveys
- + Youth Risk Behavior Survey

## Data Sets

- School Information**  
Information on schools' attributes
- School Performance**  
Student performance and climate through the school year
- District Employees and Finance**  
Expenditure, Employee, Budget, and FTE Data
- Advancing Education Safely**  
Information on hybrid learning and COVID-19 testing
- Terms and Conditions**  
Please read!
- Quick Data**
- School Profiles**

[schoolprofiles.philasd.org](https://schoolprofiles.philasd.org)

# Evaluation, Research, and Accountability



THE SCHOOL DISTRICT OF PHILADELPHIA

## Assessment Overview

2021-22

August 2021

Office of Evaluation, Research, and Accountability (ERA)  
[Assessment Calendar](#) | [Office of Assessment](#)

1

[philasd.org/era/assessment/](https://philasd.org/era/assessment/)



THE SCHOOL DISTRICT OF PHILADELPHIA

Board of Education | Progress Monitoring

OVERVIEW GOALS GOAL 1 READING 3-8 GOAL 2 READING K-3 GOAL 3 MATH 3-8 GOAL 4 HS PERFORMANCE GOAL 5 COLLEGE & CAREER GUARDRAILS

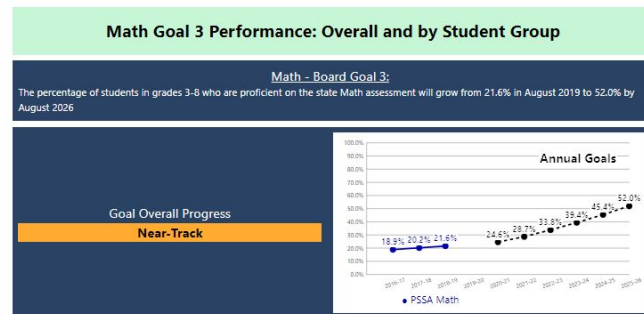
ANNUAL FALL WINTER SPRING HOW?

Sections

- Overall and Student Groups
- Grade Level
- Off-Track, Near-Track, On-Track Schools

Goal 3 Links

- Fall
- Winter
- Spring



Math Goal 3: District-Wide Proficiency  
Grades 3-8, PSSA Math<sup>1</sup>

	2016-17	2017-18	2018-19	2019-20 <sup>2</sup>	2020-21 Annual Goal	Distance to 2020-21 Goal	Distance to 2021-22 Goal	2025-26 Final Goal
All	18.9%	20.2%	21.6%	N/A	24.6%	-3.0	-7.1	52.0%
Black / African American	9.6%	10.7%	11.4%	N/A	24.6%	-13.2	-17.3	52.0%
Hispanic / Latinx	12.4%	13.3%	14.4%	N/A	24.6%	-10.2	-14.3	52.0%
White	37.7%	39.7%	42.9%	N/A	24.6%	+18.3	+14.2	52.0%
American Indian / Alaskan Native	25.8%	18.1%	18.7%	N/A	24.6%	-5.9	-10.0	52.0%
Asian	52.5%	53.9%	55.8%	N/A	24.6%	+31.2	+27.1	52.0%
Native Hawaiian / Pacific Islander	45.0%	45.7%	41.2%	N/A	24.6%	+16.6	+12.5	52.0%
Multi Racial / Other	25.2%	27.9%	28.5%	N/A	24.6%	+3.9	-0.2	52.0%

[philasd.org/era/goals-and-guardrails](https://philasd.org/era/goals-and-guardrails)



# Office of Research and Evaluation

[philasd.org/research](http://philasd.org/research)

Philadelphia Office of Research and Evaluation

THE SCHOOL DISTRICT OF PHILADELPHIA

### Issue Brief: Assessments in 2020-21

#### A Summary of District-Wide Assessments Administered to School District of Philadelphia Students during the 2020-21 School Year

Ebru Erdem, Ph.D., Director, Research, Policy, and Practice; Amber Fullam, PMP, Senior Project Manager

**Information in this brief**

- Interim Assessments**
  - aimswelPlus/Star
  - Biology Benchmark
- Summative End-of-Course Exams**
  - Civics Test
  - IB Exams
  - AP Exams
  - NOCTI Assessments
- State Standardized Assessments**
  - PSSA/PASA
  - Keystone Exams
  - ACCESS for ELLs
- Other Tests**
  - AEL
  - NAEP
  - NAEP
  - SAT/ACT
  - PSAT and PSAT 8/9

**Research Brief: Students who Received Support from a Reading Specialist in 2019-20**

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### Research Brief: Students who Received Support from a Reading Specialist in 2019-20

Eric, Research Assistant

**Introduction**

In 2019-20, the School District of Philadelphia (SDP) placed Reading Specialists in 38 schools. Reading Specialists are primarily responsible for providing additional support to students reading below grade level. Typically, Reading Specialists taught daily small group lessons to address student needs in reading, writing, phonics, and word study.

During the COVID-19 pandemic, school buildings closed and Reading Specialists continued to support their students through digital learning in March 2020. Although digital student assessment data was not collected, this report summarizes the performance of students who were supported by a Reading Specialist before the start of the 2020 (winter) semester.

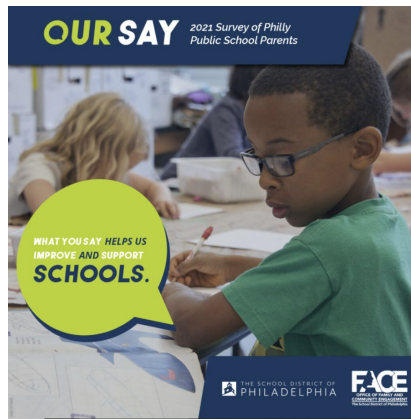
**Key Findings**

- 85% of students in District schools were supported by a Reading Specialist in 2019-20.
- Students with IEPs were more likely to be supported by a Reading Specialist than students without IEPs.
- Students with IEPs were more likely to be supported by a Reading Specialist than students without IEPs.
- Students with IEPs were more likely to be supported by a Reading Specialist than students without IEPs.

**Questions**

- How many students received support from a Reading Specialist in 2019-20 and with what frequency?
- How many students received support from a Reading Specialist in 2019-20 and with what frequency?
- How many students received support from a Reading Specialist in 2019-20 and with what frequency?

February 2022 • Evaluation, Research, and Accountability



[philasd.org/dws](http://philasd.org/dws)

### External Research Review

Comprehensive information about the Research Review Committee process - a requirement before conducting any research in SDP

**Philadelphia Education Research Consortium**

[phledresearch.org/](http://phledresearch.org/)

**R2P 2019**  
Research, Policy and Practice Conference

[philasd.org/research/programsservices/reports/](http://philasd.org/research/programsservices/reports/)

# What is a Research Roundup?

- Monthly webinar series with a topical focus
- Work in progress
- Sign up to be notified when webinars are scheduled and when recordings are available

[www.philasd.org/research/roundup](http://www.philasd.org/research/roundup)



# Goals for This Presentation

## Attendees will better understand:

1. Key math skills covered in grades 3-8
2. How the District's within-year tests (Renaissance Star) measure math skills
3. How we track the progress of students' math skills over time (PSSA & Star)

ORE Reports related to math: <https://www.philasd.org/research/category/math/>





# **Part 1: Math in grades 3-8: What is it and why is it important?**

# Major Work in Grades 3-5

## Multiplication and division of whole numbers and fractions – concepts, skills, and problem solving

Grade 3	Grade 4	Grade 5
<p><b>Algebra: Operations &amp; Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Represent and solve problems involving multiplication and division</li> <li><input type="checkbox"/> Understand properties of multiplication and the relationship between multiplication and division</li> <li><input type="checkbox"/> Multiply and divide within 100</li> <li><input type="checkbox"/> Solve problems involving the four operations, and identify and explain patterns in arithmetic</li> </ul> <p><b>Measurement &amp; Data</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects</li> <li><input type="checkbox"/> Geometric measurement: Understand concepts of area and relate area to multiplication and to addition</li> </ul> <p><b>Numbers &amp; Operations: Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Develop understanding of fractions as numbers</li> </ul>	<p><b>Algebra: Operations &amp; Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use the four operations with whole numbers to solve problems</li> </ul> <p><b>Numbers &amp; Operations: Base Ten</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Generalize place value understanding for multi-digit whole numbers</li> <li><input type="checkbox"/> Use place value understanding and properties of operations to perform multi-digit arithmetic</li> </ul> <p><b>Numbers &amp; Operations: Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Extend understanding of fraction equivalence &amp; ordering</li> <li><input type="checkbox"/> Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers</li> <li><input type="checkbox"/> Understand decimal notation for fractions, and compare decimal fractions</li> </ul>	<p><b>Measurement &amp; Data</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Geometric measurement: Understand concepts of volume and relate volume to multiplication and to addition</li> </ul> <p><b>Numbers &amp; Operations: Base Ten</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand the place value system</li> <li><input type="checkbox"/> Perform operations with multi-digit whole numbers and decimals to hundredths</li> </ul> <p><b>Numbers &amp; Operations: Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use equivalent fractions as a strategy to add and subtract fractions</li> <li><input type="checkbox"/> Apply and extend understandings of multiplication and division to multiply and divide fractions</li> </ul>
<p><b>Required Fluencies</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Single-digit products and quotients</li> <li><input type="checkbox"/> Add/subtract within 1000</li> </ul>	<p><b>Required Fluencies</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Add/subtract within 1,000,000</li> </ul>	<p><b>Required Fluencies</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Multi-digit multiplication</li> </ul>

# Major Work in Grades 6-8

Ratios & proportional relationships, expressions & equations, arithmetic of rational numbers, linear equations & linear functions

Grade 6	Grade 7	Grade 8
<p><b>Algebra: Expressions &amp; Equations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Apply and extend previous understandings of arithmetic to algebraic expressions</li> <li><input type="checkbox"/> Reason about and solve one-variable equations and inequalities</li> <li><input type="checkbox"/> Represent and analyze quantitative relationships between dependent and independent variables</li> </ul> <p><b>Numbers &amp; Operations: Ratios &amp; Proportional Relationships</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand ratio concepts and use ratio reasoning to solve problems</li> </ul> <p><b>Numbers &amp; Operations: The Number System</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Apply and extend previous understandings of multiplication and division to divide fractions by fractions</li> <li><input type="checkbox"/> Apply and extend previous understandings of numbers to the system of rational numbers</li> </ul>	<p><b>Algebra: Expressions &amp; Equations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use properties of operations to generate equivalent expressions</li> <li><input type="checkbox"/> Solve real-life and mathematical problems using numerical and algebraic expressions and equations</li> </ul> <p><b>Numbers &amp; Operations: Ratios &amp; Proportional Relationships</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Analyze proportional relationships and use them to solve real-world and mathematical problems</li> </ul> <p><b>Numbers &amp; Operations: The Number System</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers</li> </ul>	<p><b>Algebra: Expressions &amp; Equations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Work with radicals and integer exponents</li> <li><input type="checkbox"/> Understand the connections between proportional relationship, lines, and linear equations</li> <li><input type="checkbox"/> Analyze and solve linear equations and pairs of simultaneous linear equations</li> </ul> <p><b>Functions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Define, evaluate, and compare functions</li> <li><input type="checkbox"/> Use functions to model relationships between quantities</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand congruence and similarity using physical models, transparencies, or geometry software</li> <li><input type="checkbox"/> Understand and apply the Pythagorean Theorem</li> </ul>
<p><b>Required Fluencies</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Multi-digit division</li> <li><input type="checkbox"/> Multi-digit decimal operations</li> </ul>		<p>Information taken from <a href="http://achievethecore.org">achievethecore.org</a></p>

Domain Group	Domain Name	PK	K	1	2	3	4	5	6	7	8	A1	GM	A2
Algebra	Operations and Algebraic Thinking	•	•	•	•	•	•	•						
	Expressions and Equations								•	•	•			
	Seeing Structure in Expressions											•		•
	Arithmetic with Polynomials and Rational Expressions											•		•
	Creating Equations											•		•
Functions	Reasoning with Equations and Inequalities											•		•
	Functions										•			
	Interpreting Functions											•		•
	Building Functions											•		•
	Linear, Quadratic, and Exponential Models											•		•
Geometry	Trigonometric Functions													•
	Modeling with Geometry												•	
	Geometry	•	•	•	•	•	•	•	•	•	•			
	Congruence												•	
	Similarity, Right Triangles, and Trigonometry												•	
	Circles												•	
Measurement and Data	Expressing Geometric Properties with Equations												•	
	Geometric Measurement and Dimension												•	
Measurement and Data	Measurement and Data	•	•	•	•	•	•	•						
Number and Quantity	Vector and Matrix Quantities													•
	The Real Number System											•		
	Quantities											•		
Numbers and Operations	The Complex Number System													•
	Counting and Cardinality	•	•											
	Number and Operations in Base Ten		•	•	•	•	•	•						
	Number and Operations—Fractions					•	•	•						
	Ratios and Proportional Relationships								•	•				
Statistics and Probability	The Number System								•	•	•			
	Statistics and Probability								•	•	•			
	Interpreting Categorical and Quantitative Data											•		•
	Making Inferences and Justifying Conclusions													•
	Conditional Probability and the Rules of Probability												•	
	Using Probability to Make Decisions												•	•

Table taken from: [renaissance.com/focus-skills/](http://renaissance.com/focus-skills/)

# **Part 2: How the District's within-year tests measure math skills**



# Board Goals and Guardrails

## GOALS

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- 01 Grade 3-8 Reading
- 02 Grade K-3 Reading
- 03 Grade 3-8 Math
- 04 High School Keystones
- 05 High School CTE

[philasd.org/goalsandguardrails](https://philasd.org/goalsandguardrails)  
[philasd.org/era/goals-and-guardrails/](https://philasd.org/era/goals-and-guardrails/)

## GUARDRAILS

---

- 01 Welcome and Supportive Schools
- 02 Enriching and Well-Rounded School Experiences
- 03 Partnering with Parents and Families
- 04 Addressing Racist Practices



# Goal 3: Math (Grades 3-8)

**Goal 3:** The percentage of students in grades 3-8 who are proficient on the PSSA math will grow from 21.6% in August 2019 to 52.0% by August 2026. **Target 2021-22: 28.7%**

## **Indicator 3.1:**

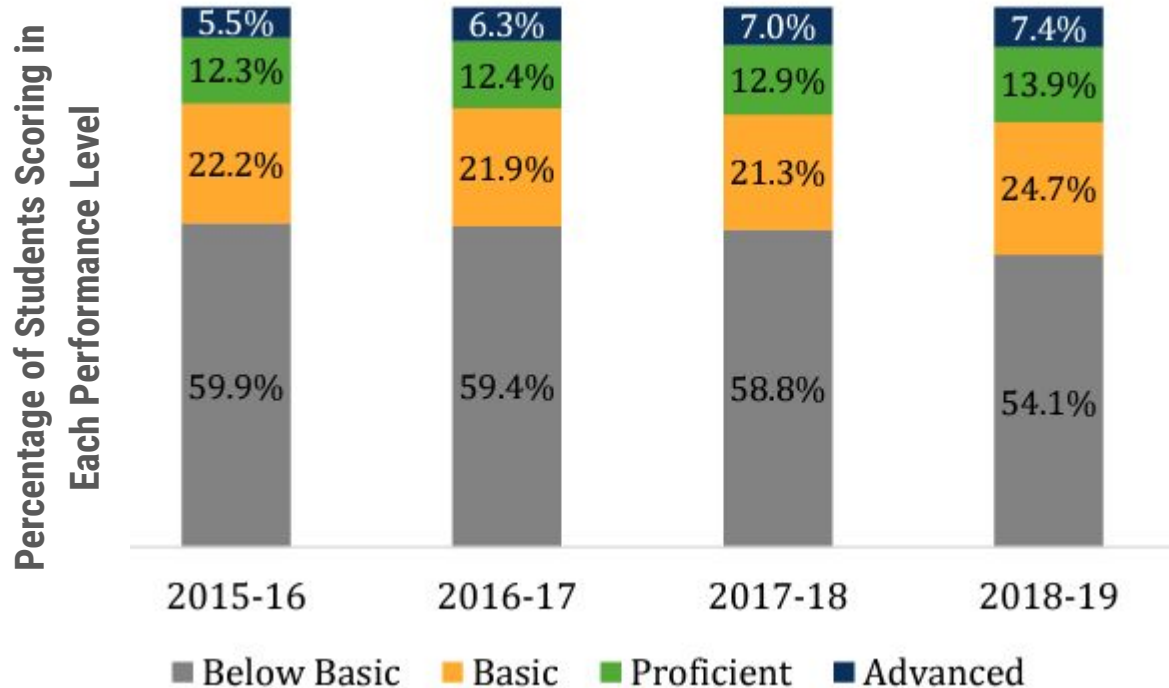
The percentage of students in grades 3-8 who score at or above grade-level on the District's within-year math assessment in Fall, Winter, and Spring each year.

**Target 2021-22: 33.8%**

<https://www.philasd.org/era/goals-and-guardrails/>

# PSSA Math Performance Over Time

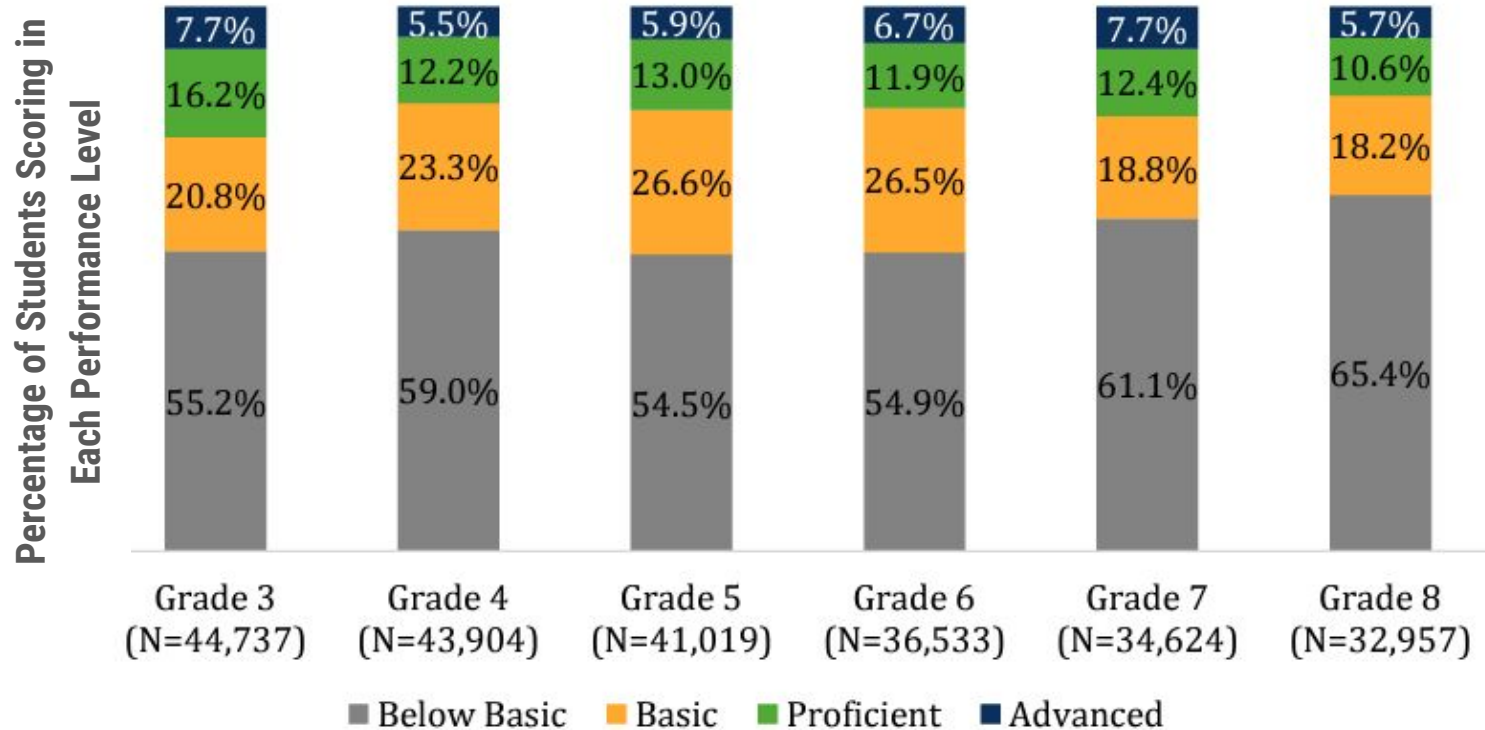
Figure 1. Overall SDP Performance Levels on the Math PSSA Exam, by Year, 2015-16 through 2018-19



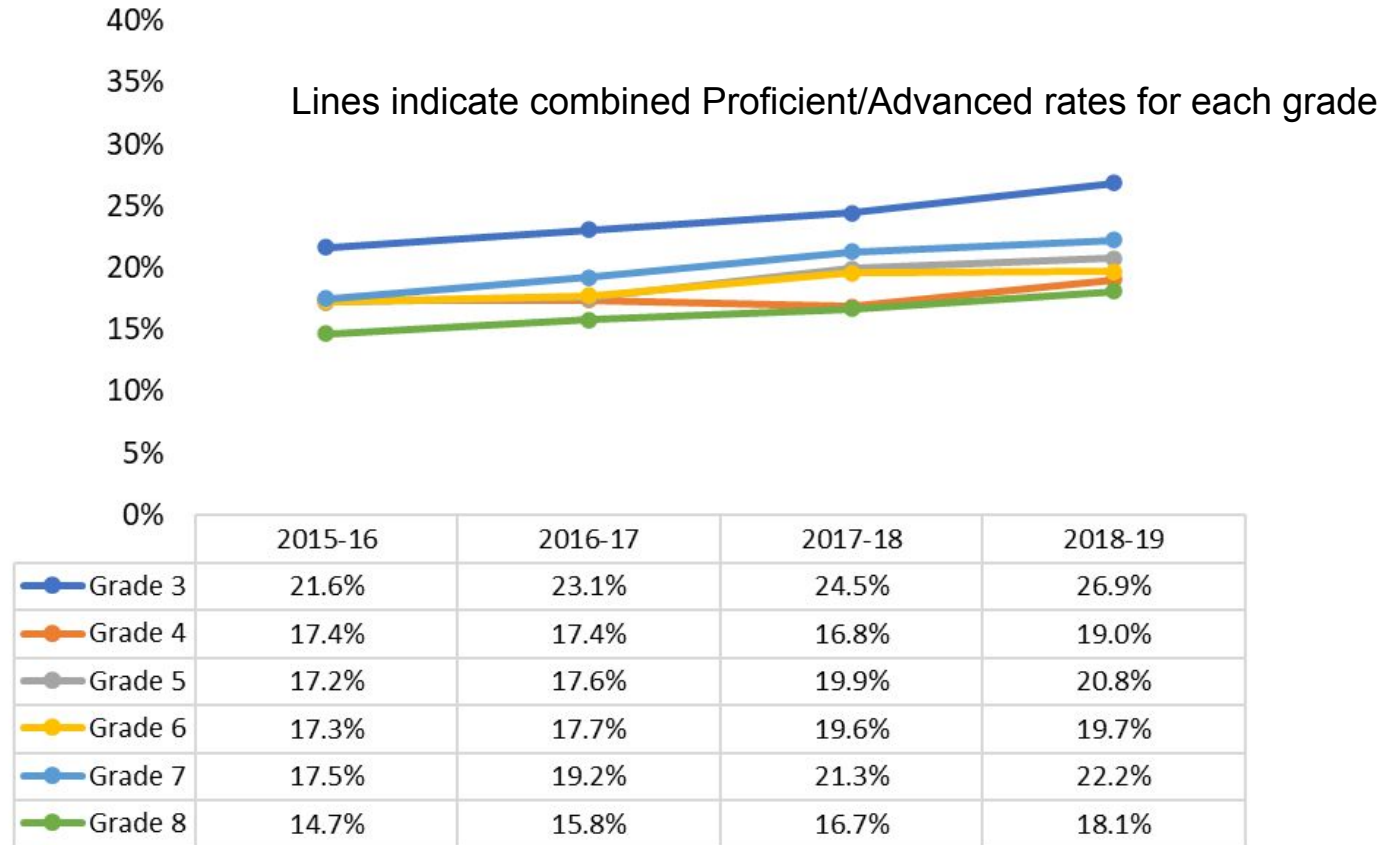
<https://www.philasd.org/research/wp-content/uploads/sites/90/2021/05/SDP-Trends-in-Math-PSSA-Performance-2015-16-to-2018-19-Report-April-2021.pdf>

# PSSA Math Performance Over Time

Figure 3. Performance Levels by Grade, Combined 2015-16 through 2018-19



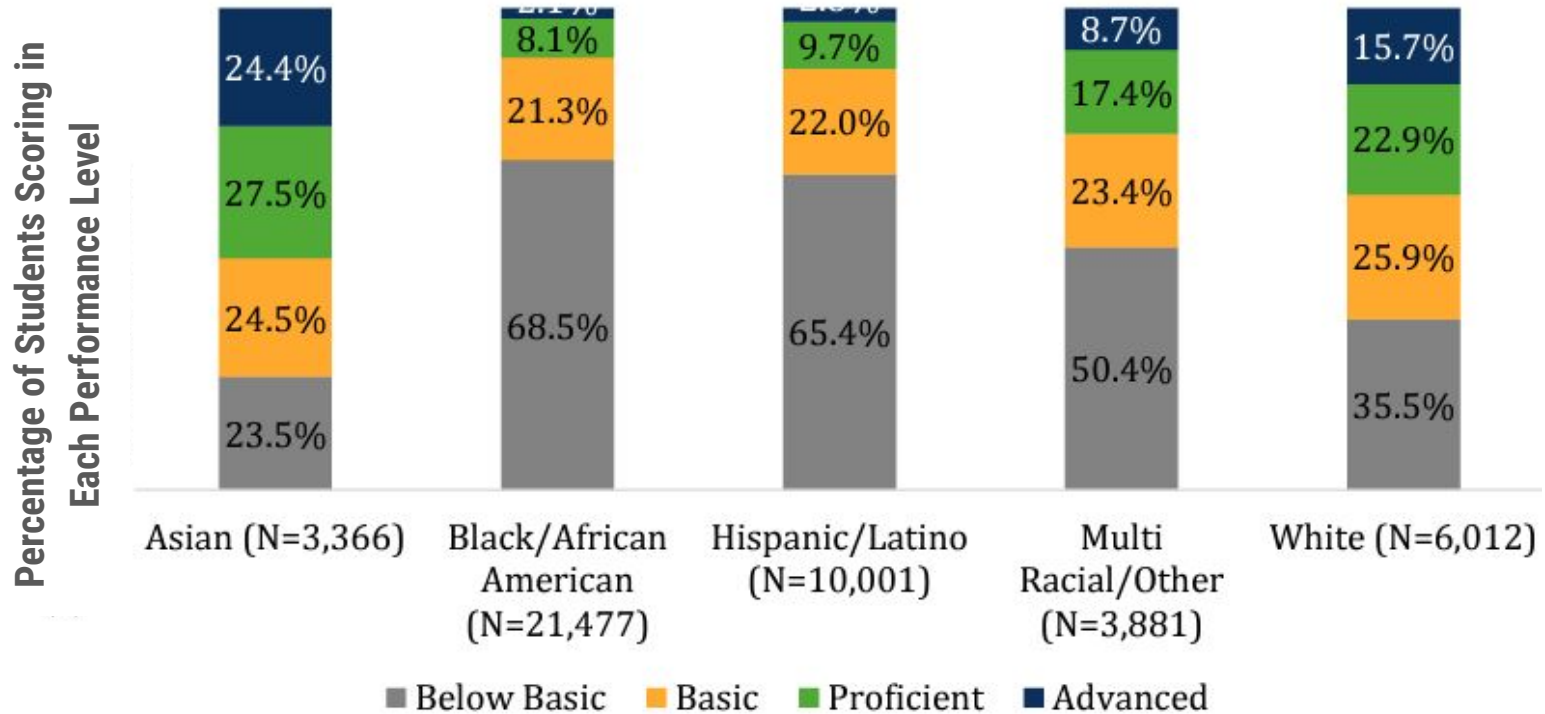
# PSSA Math Performance Over Time





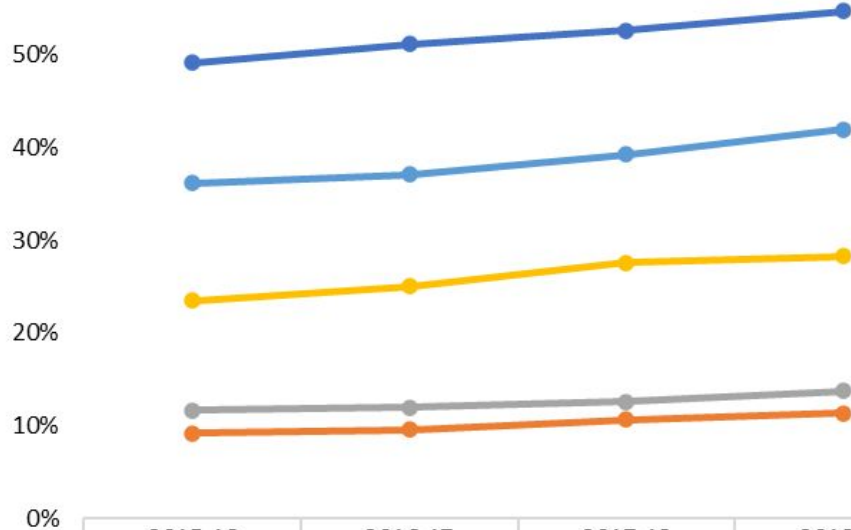
# PSSA Math Performance Over Time

Figure 8. Performance Levels by Race/Ethnicity, Combined 2015-16 through 2018-19



# PSSA Math Performance Over Time

Lines indicate combined Proficient/Advanced rates for each grade



	2015-16	2016-17	2017-18	2018-19
Asian	49.2%	51.1%	52.6%	54.7%
Black/African American	9.2%	9.5%	10.6%	11.4%
Hispanic/Latino	11.7%	11.9%	12.6%	13.7%
Multi Racial/Other	23.5%	25.0%	27.6%	28.3%
White	36.1%	37.1%	39.2%	42.0%

# Two Types of Star Assessments

## CAT

### Computer Adaptive Tests (3-12)

**Adaptive tests that adjust the difficulty of items depending on how the student performed on previous items.**

- Domains:
  - Numbers and Operations
  - Algebra
  - Geometry and Measurement
  - Data Analysis, Statistics, and Probability

## CBM

### Curriculum-Based Measures (K-3)

**1-minute probes that measure foundational math skills.**

- Kindergarten: Numeral Recognition, Quantity Comparison
- 1st Grade: Numeral Recognition, Quantity Comparison, Addition to 10
- 2nd Grade: Addition to 10, Addition to 20, Subtraction from 10
- 3rd Grade: Subtraction from 10, Mixed Addition and Subtraction, Multiplication to 100

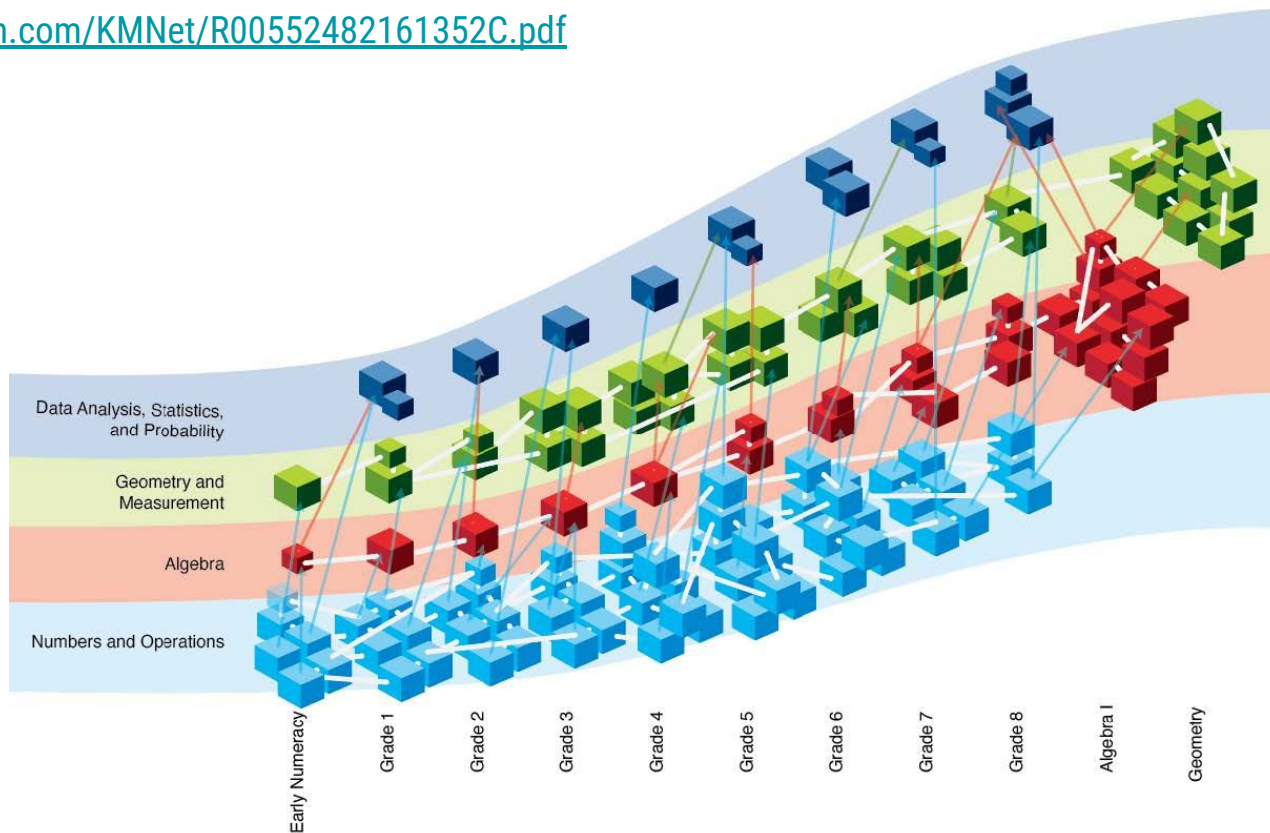
# Star Math Computer Adaptive Test

Four domains → 54 skill areas → 790 grade-specific skills

Domain	Example Skill Areas
Numbers and Operations	<ul style="list-style-type: none"><li>• Decimal Concepts and Operations</li><li>• Integers</li></ul>
Algebra	<ul style="list-style-type: none"><li>• Evaluate Numerical Expressions</li><li>• Linear Equations and Inequalities</li></ul>
Geometry and Measurement	<ul style="list-style-type: none"><li>• Right Angles and Trigonometry</li><li>• Two-Dimensional Shapes and Attributes</li></ul>
Data Analysis, Statistics, and Probability	<ul style="list-style-type: none"><li>• Data Representation and Analysis</li><li>• Combinatorics and Probability</li></ul>

# Star Math Computer Adaptive Test

<https://doc.renlearn.com/KMNet/R00552482161352C.pdf>

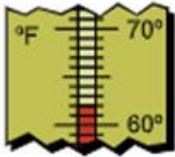




# Example Geometry & Measurement CAT Problems

## 3rd Grade

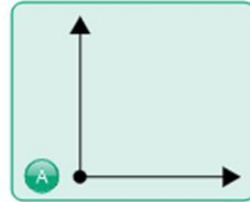
What temperature does the thermometer show?



- A 60°F
- B 62°F
- C 65°F
- D 78°F

## 4th Grade

Which of the angles appears to be a right angle?



# Example Geometry & Measurement CAT Problems

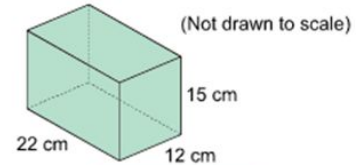
## 5th Grade

The radius of a circle is 9 inches. What is the diameter of the circle?

- A 5 inches
- B 36 inches
- C 18 inches
- D 15 inches

## 6th Grade

What is the volume of the rectangular prism?

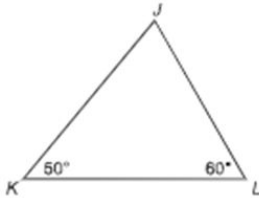


- A 3,960 cm<sup>3</sup>
- B 3,096 cm<sup>3</sup>
- C 306 cm<sup>3</sup>
- D 196 cm<sup>3</sup>

# Example Geometry & Measurement CAT Problems

## 7th Grade

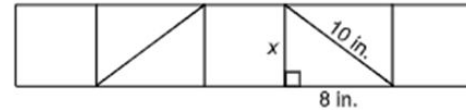
What is the measure of angle  $J$ ?



- A  $130^\circ$
- B  $110^\circ$
- C  $80^\circ$
- D  $70^\circ$

## 8th Grade

Abram is designing a tile pattern made up of squares and right triangles for a kitchen backsplash.

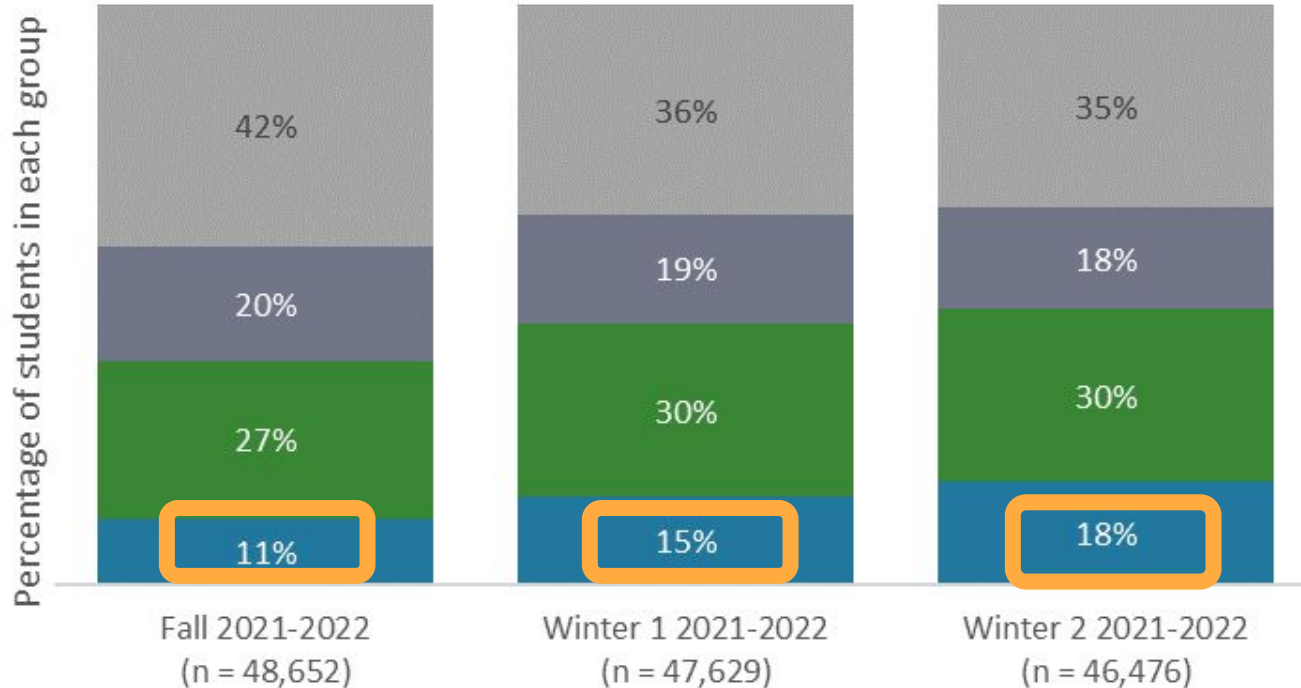


What is  $x$ , the height of the row of tiles?

- A 6 in.
- B 7 in.
- C 8 in.
- D 10 in.

# Star Math Performance: Grades 3-8

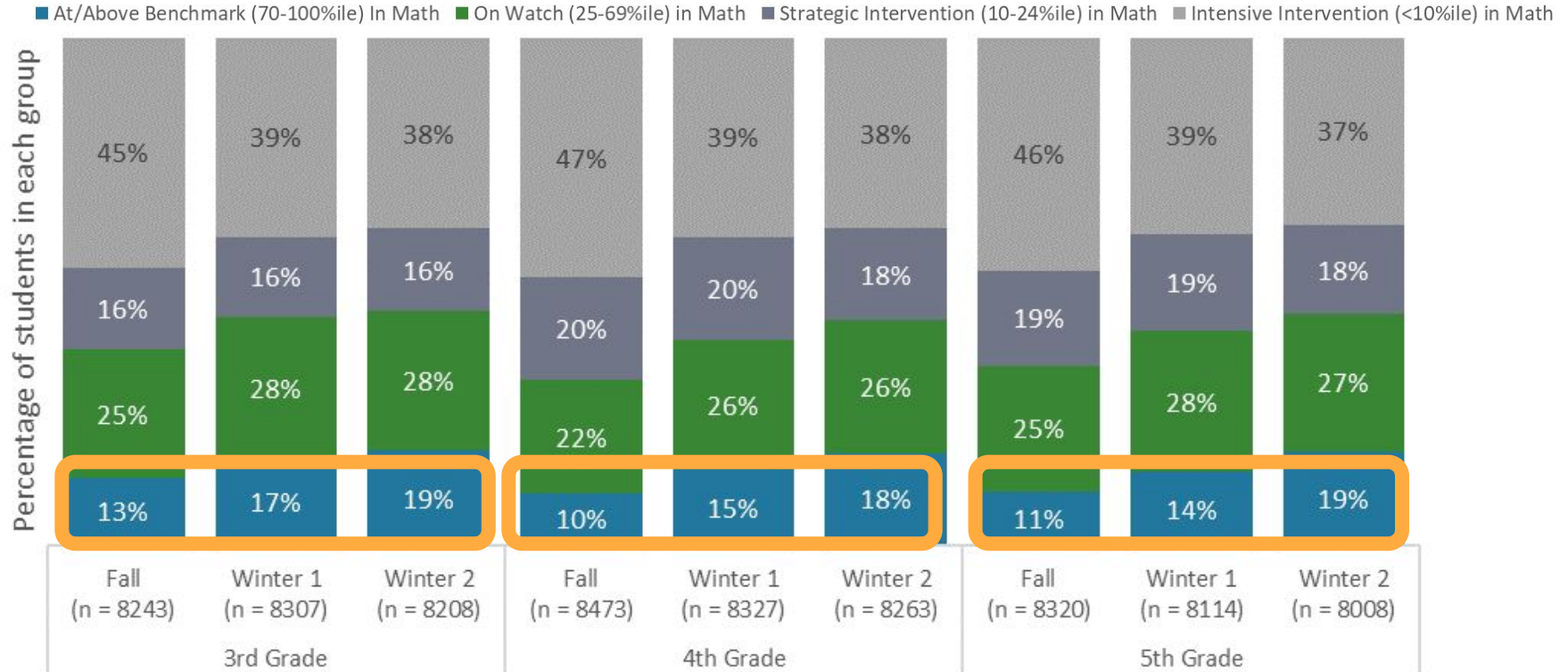
- At/Above Benchmark (70-100%ile) In Math
- On Watch (25-69%ile) in Math
- Strategic Intervention (10-24%ile) in Math
- Intensive Intervention (<10%ile) in Math



The percentage of 3rd-8th grade students scoring **At/Above Grade Level** increased by seven percentage points from fall (September) to winter 2 (March).

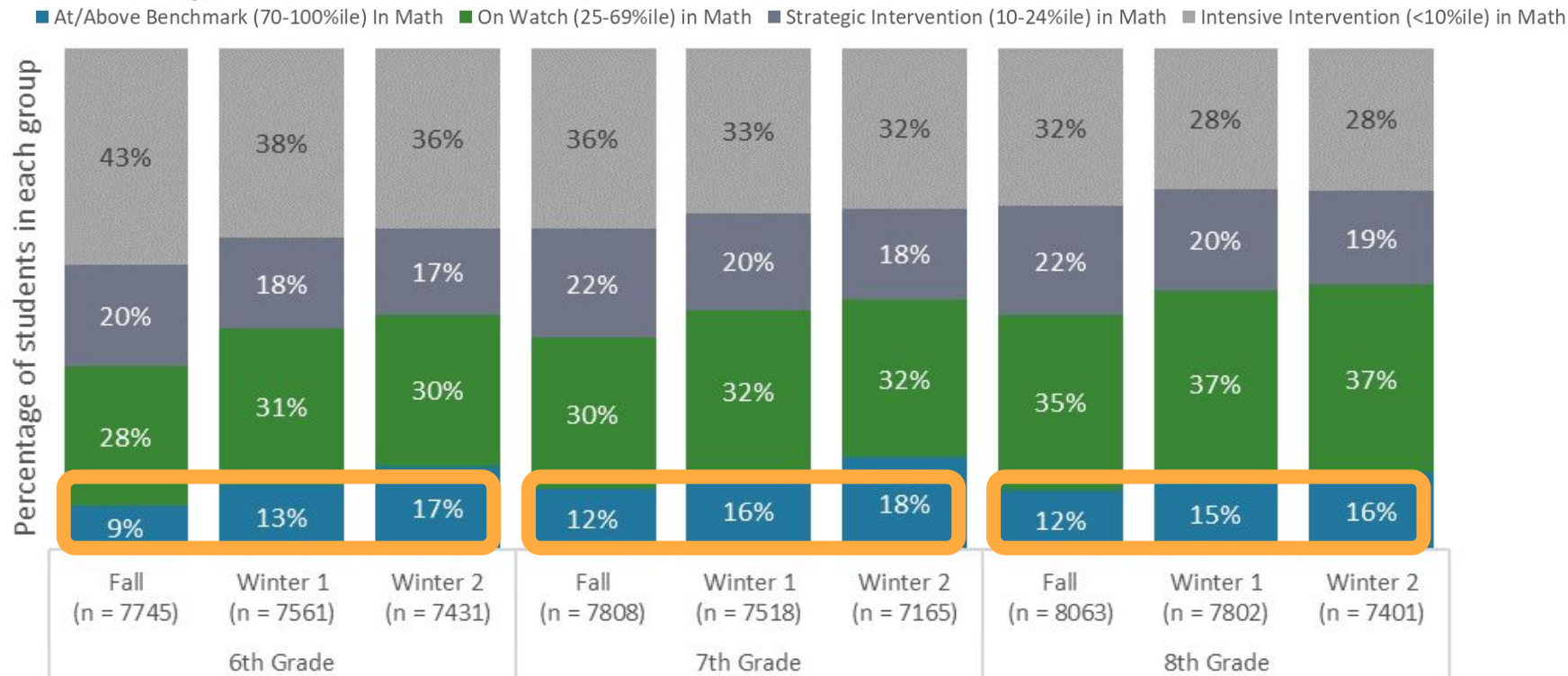
# Star Math Performance: Grades 3-5

The percentage of 3rd-5th grade students scoring **At/Above Grade Level** increased by six to eight percentage points from fall (September) to winter 2 (March)



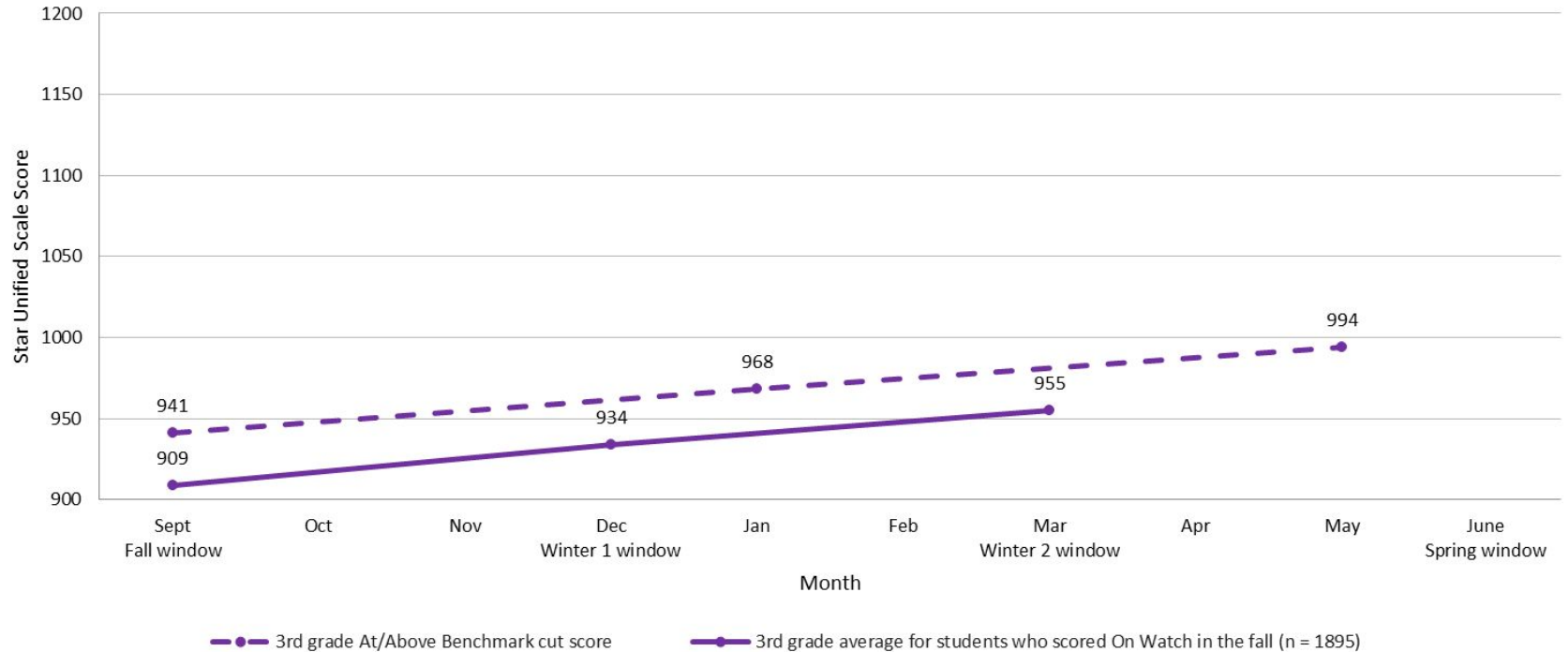
# Star Math Performance: Grades 6-8

The percentage of 6th-8th grade students scoring **At/Above Grade Level** increased by four to eight percentage points from fall (September) to winter 2 (March).



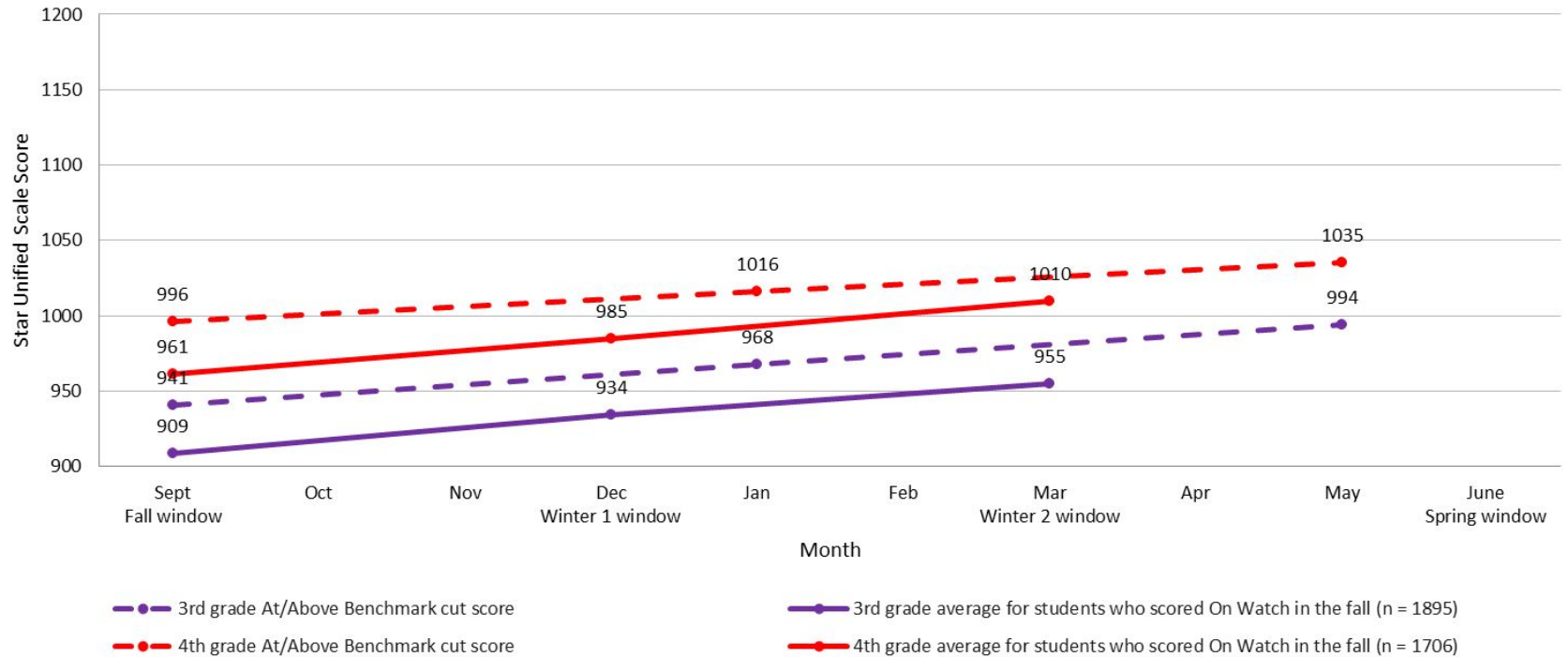
# Star Math Performance: Tracking Growth

## Average Star Math Performance for Students in Grade 3 who scored On Watch in the fall



# Star Math Performance: Tracking Growth

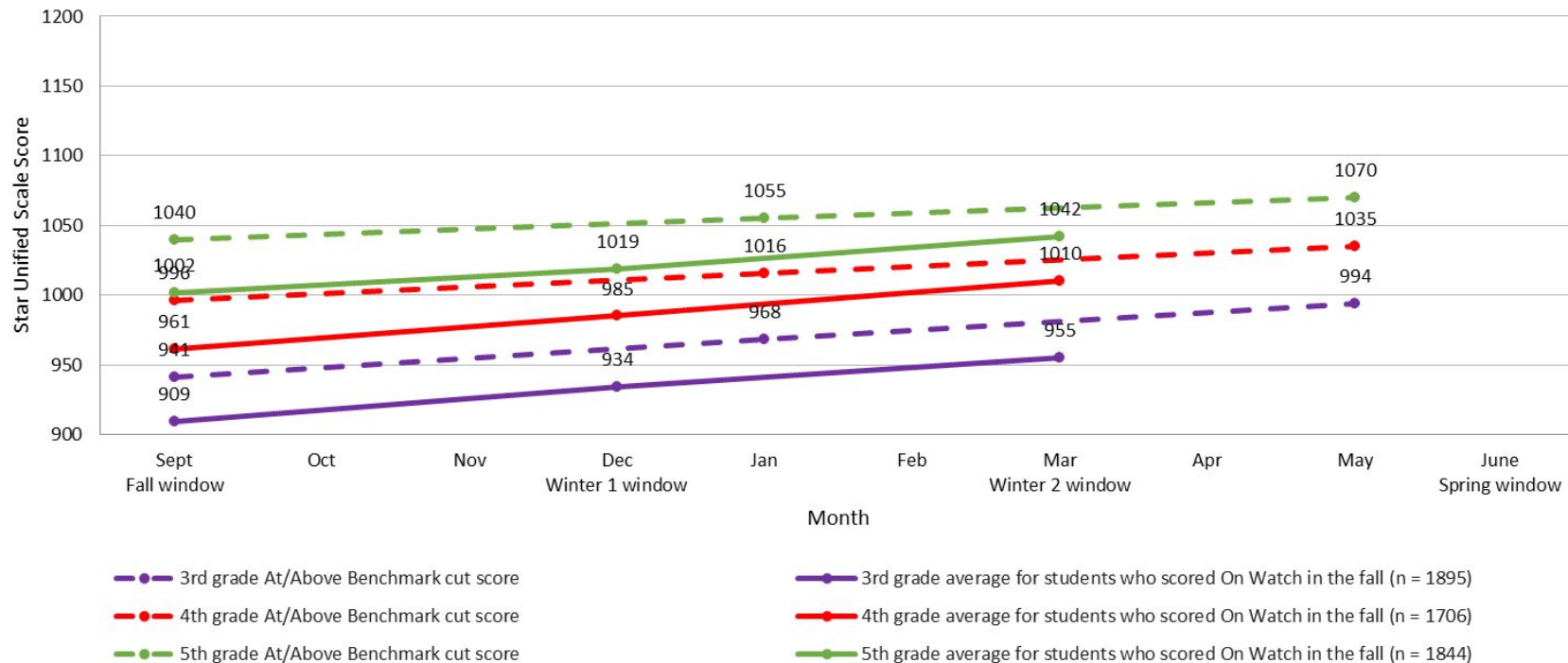
## Average Star Math Performance for Students in Grades 3 and 4 who scored On Watch in the fall





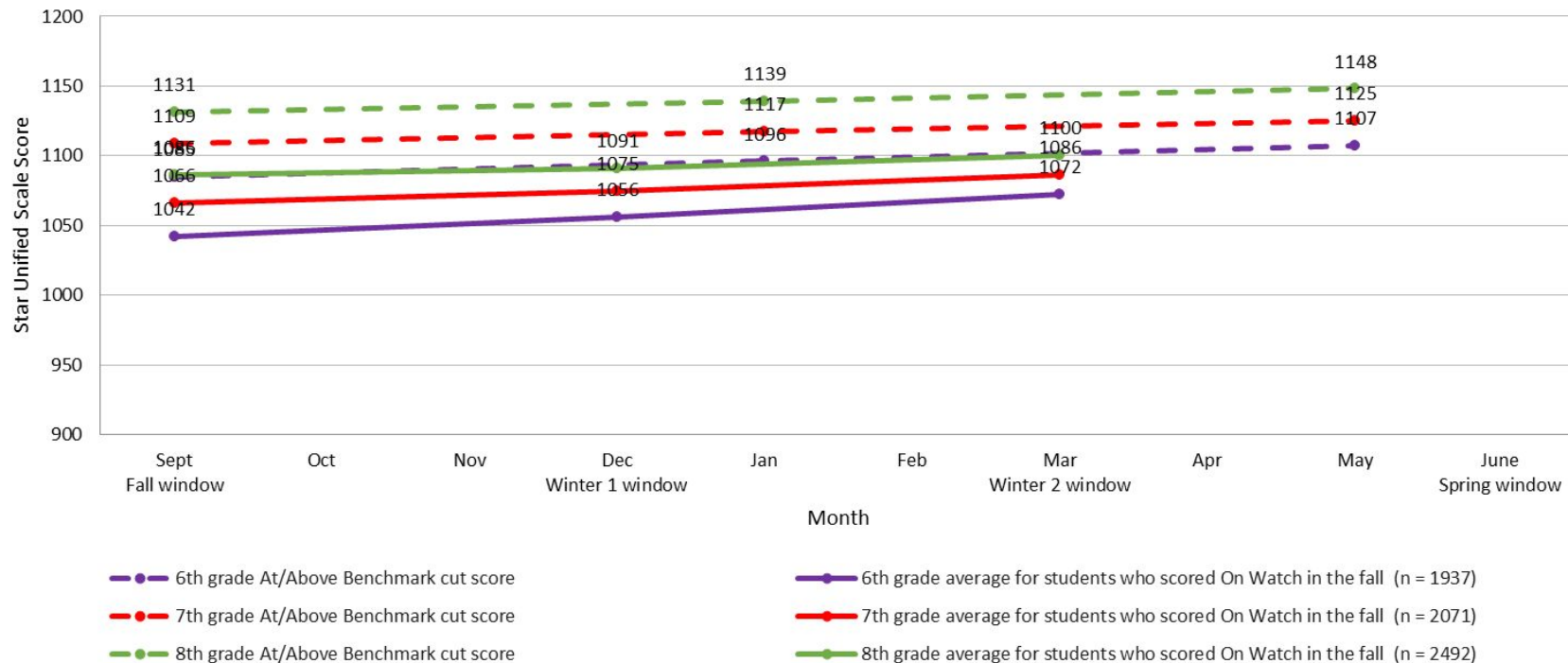
# Star Math Performance: Tracking Growth

## Average Star Math Performance for Students in Grades 3-5 who scored On Watch in the fall



# Star Math Performance: Tracking Growth

## Average Star Math Performance for Students in Grades 6-8 who scored On Watch in the fall



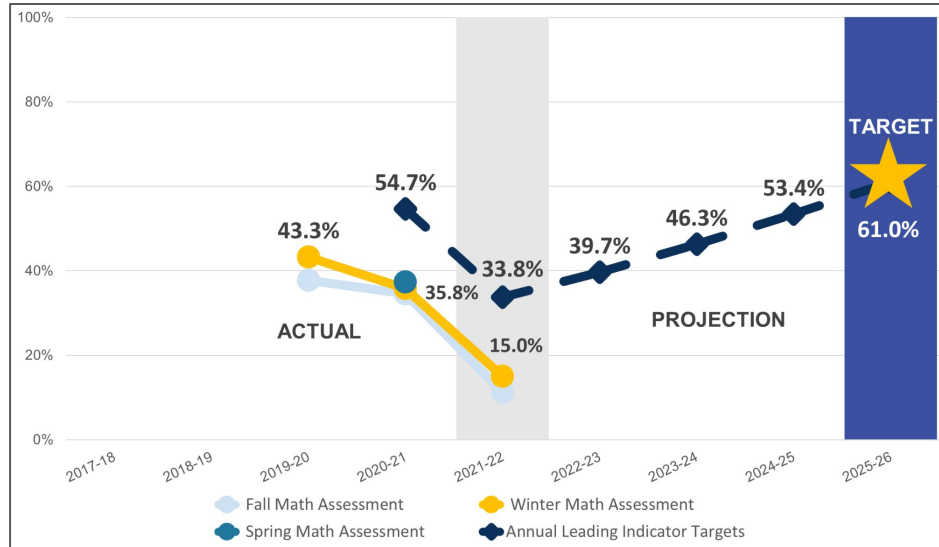
# **Part 3: Additional Context and Resources**

# Renewed focus on math

- With the introduction of Star we now have a single assessment to track math progression across grades
- Explicitly included in one of our five Board Goals (Goal 3)
- Revised Academic Framework

# Goal 3 (Grade 3-8 Math): Progress Toward the Board Goal

## % of students in grades 3-8 who are at or above grade level



% At/Above Grade Level	Fall	Winter	Winter 2	Spring	2021-22 Annual Target
2021-22	11.2%	15.0%	18.0%	<i>Forthcoming</i>	33.8%

# Additional math resources

[Math Instructional Guide](#)

[Math Scope and Sequence](#)

[ORE Website](#)

# Q&A

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[Join our mailing list](#) to be notified when recordings are available and when webinars are scheduled. We also welcome your suggestions for future topics. Link in the chat!