

Name \_\_\_\_\_

### 8 Readiness Assessment

1. Evaluate the function  $f(x) = 2x^2 - 5x + 3$  for  $x = -1$ .

2. Evaluate the function  $g(x) = -2x^3 - 4x^2$  for  $x = 2$ .

3. Select all the functions that have  $f(-3) = 6$ .

☐ A.  $f(x) = (x - 3)^2$

☐ B.  $f(x) = -x^2 - 3x$

☐ C.  $f(x) = -x^2 + 3x$

☐ D.  $f(x) = x^2 + 5x + 4$

☐ E.  $f(x) = 2x - 3x + 1$

☐ F.  $f(x) = 3x^2 + 2x + 3x$

4. Complete the table below for the function  $g(x) = x^2 - 3x$ .

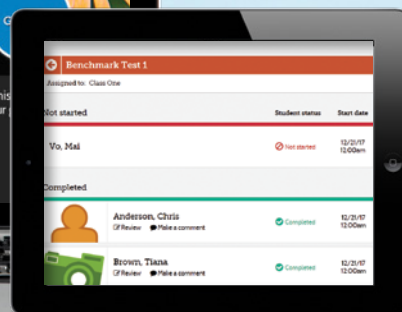
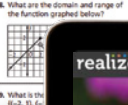
x	g(x)
-2	
-1	
0	
1	
2	

5. Evaluate  $g(x) = 2^x$  for  $x = 5$ .

6. What are the domain and range of the function shown below?

x	y
1	2
2	4
3	8
4	16

7. What are the domain and range of the function graphed below?



Benchmark Test 1		
Assigned to: Class One		
	Student status	Start date
Not started		
Vo. Mail	Not started	12/21/17 12:00pm
Completed		
Anderson, Chris	Completed	12/21/17 12:00pm
Brown, Tiana	Completed	12/21/17 12:00pm

# enVision® Mathematics

Kids See the Math. Teachers See Results.





**BUILT FOR  
ASSESSMENT**

# **enVision**<sup>®</sup> Mathematics

## Focus on Concepts and Skills

The **enVision** K-12 Math Series gives you a clear picture of student understanding and readiness for math standards. High-quality print and digital resources align to important math ideas. Informed teaching and improved learning results help ALL students demonstrate mastery.

1

### **Assessment Suite**

Use or edit premade diagnostic, formative, and summative assessments—or create your own!  
*Pages 4-5*

2

### **High-Stakes Preparation**

Meet the rigor of high-stakes assessments every day.  
*Page 6*

3

### **Reports and Resources**

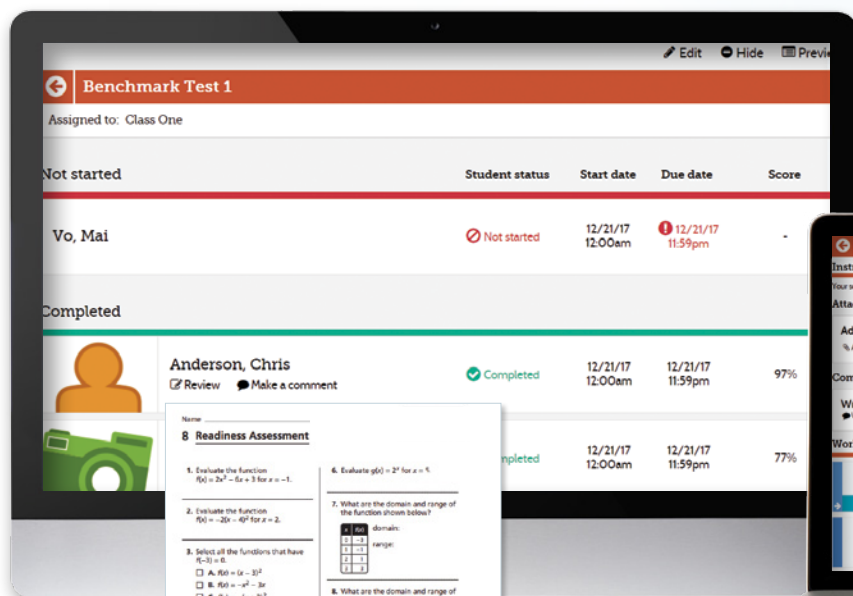
Observe and manage your students' progress every step of the way.  
*Pages 7-11*

# Help Students Realize Their Full Potential

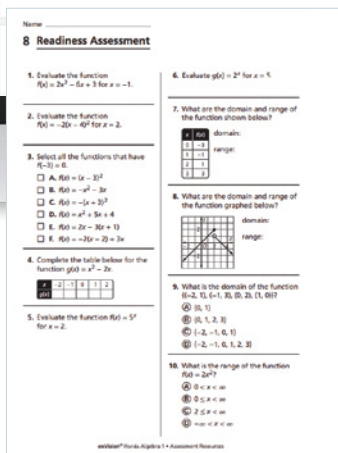
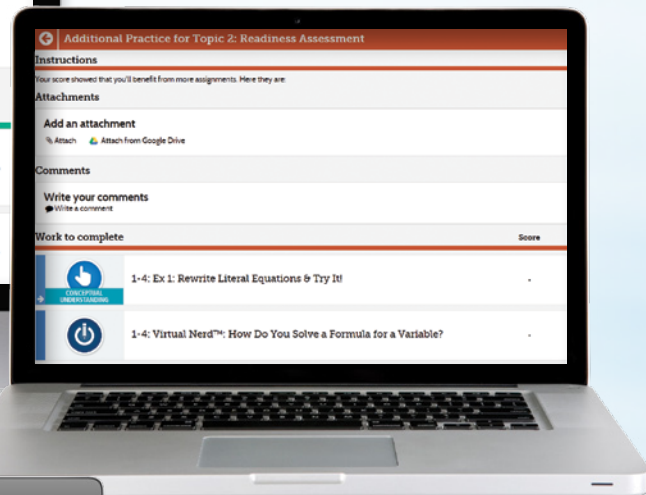
SavvasRealize.com is your online learning management system for the **enVision** K-12 Math Series. This platform allows you to easily assess students' mathematical proficiency. It also provides class and student data, including Mastery Reports, so you can make informed decisions about instruction and individualized practice.



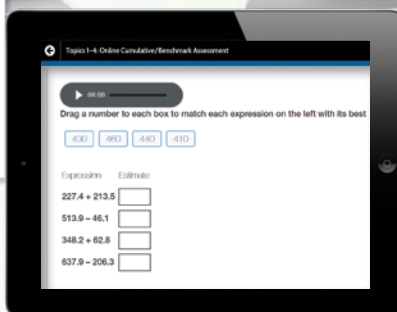
*Auto-graded  
assessments save time.*



*Auto-assigned, individualized  
study plans support each student.*



*Topic and Benchmark tests  
evaluate student learning.*



*Content and item types  
include technology-enhanced items  
such as multiselect, tables,  
and more.*

## Plan for Student Success

The **enVision** Assessment Suite offers options to move students toward mastery.

### DIAGNOSTIC

Assesses student understanding of prerequisite content.

- Readiness Assessment

Beginning of Year

### DIAGNOSTIC

Identify gaps in students' knowledge on prerequisite skills for each Topic.

- Topic Review What You Know (K-8)
- Topic Readiness Assessment (6-A | G | A)

Beginning of Topic

### SUMMATIVE

Assess student understanding of standards taught in a Topic.

- Topic Assessment
- Performance Tasks

End of Topic

Progress Monitoring Assessment Form A

### For Every Lesson

#### FORMATIVE

Gather comprehensive assessment data to inform instruction using these embedded digital/print assessment resources:

- SCOUT Observational Assessments (K-5)
- Error Intervention/Common Errors
- Prevent Misconceptions (K-8)
- Convince Me (K-8)
- Habits of Mind (A | G | A)
- Try Its! (6-A | G | A)
- Do You Understand? (3-A | G | A)
- Do You Know How? (3-A | G | A)
- Quick Check (K-5)
- Lesson Quiz (6-A | G | A)
- Mid-Topic Assessment (6-8)

#### PROBLEM-BASED LEARNING

Student work demonstrates prior and emerging understanding of the lesson concepts that are built on during the lesson.

#### Lessons Launches

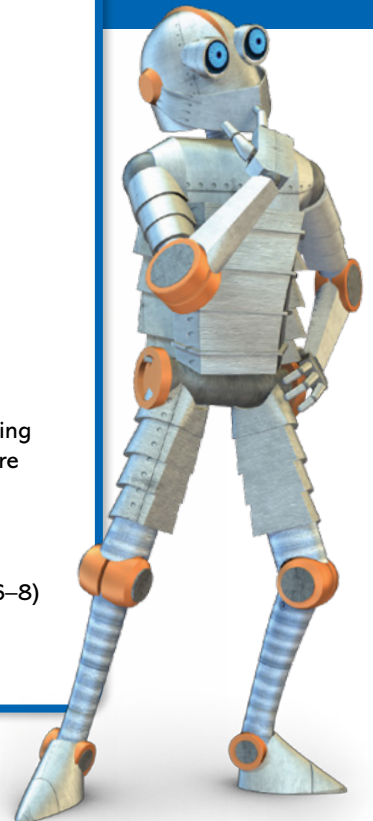
- Solve & Share (K-5)
- Explore It, Explain It, Solve & Discuss It (6-8)
- Explore & Reason, Model & Discuss, Critique & Explain (A | G | A)

SAVVAS  
**realize**

#### Online Assessment

**Customizable Digital Assessments** allow teachers to edit, add questions, and build a test from scratch.

**Student/Class/District Data & Reports** gather and track usage and student growth.





Diagnostic, formative, and summative assessments are flexible and customizable. Administer in print or online.

## SUMMATIVE

Assess student understanding of standards. Placement among topics will vary depending on the course.

- Cumulative/Benchmark Assessment

After a Group of Topics

## SUMMATIVE

Assess student understanding of the standards taught in some Topics or the entire course.

- Cumulative/Benchmark Assessment (K-8)
- End-of-Course (A | G | A)

End of Year

Midyear

Progress Monitoring Assessment Form B

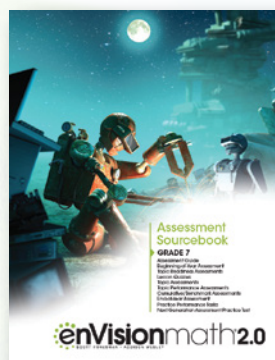
Progress Monitoring Assessment Form C

## Assessment Sourcebook

- Easy-to-use guidance, strategies, and tools for all types of math assessments.
- Useful information for fostering student learning.

## Progress Monitoring

Progress Monitoring Assessments (Forms A, B, and C) are item-for-item parallel, and each covers the full year. They can be given at the start, middle, and end of the year to monitor student progress.

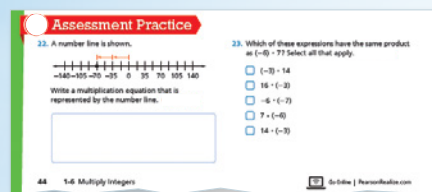
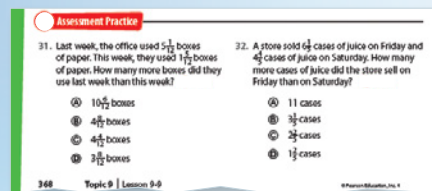


## Practice for High-Stakes Tests

What you do every day matters more than what you do once in a while. That's why the **enVision** K-12 Math Series provides test preparation items in every lesson. The embedded interactives powered by Desmos give students frequent exposure to the official online calculator.

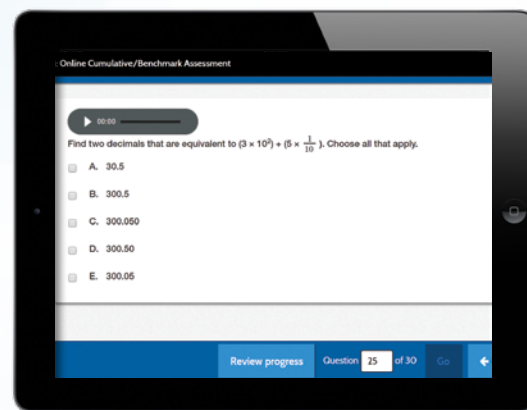
### Daily Test Prep

Meet the rigor of the high-stakes test with assessment practice in every lesson.



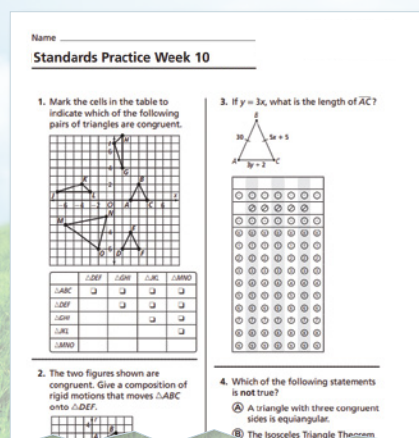
### Technology-Enhanced Items

Students practice with items in similar formats to those on the high-stakes test.



### Assessment Readiness Workbook

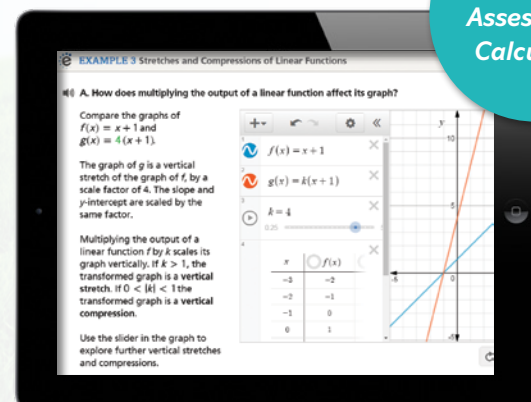
Standards-based practice and tests to help students prepare for high-stakes assessments. (A|G|A only)



### Desmos Calculator

Instruction and practice integrate the official calculator for many high-stakes tests.

desmos



Official  
Assessment  
Calculator



# Student and Parent Support

When using digital assessments, parents and students can easily monitor progress and use tools like the free BouncePages app to watch tutorial videos. Adaptive and individualized support provides on-demand instruction and practice to fill in student learning gaps in prerequisite knowledge.

## Immediate Feedback

Students receive immediate feedback on the skills they have mastered and what skills they need to practice more.

You need more practice with:			
G6: Compare and Order Rational Numbers			
Successfully completed:			
Interpret Rational Numbers in Real-World Contexts			
Understand Rational Numbers			
Question	Answer	Points per question	View
Question 1	Correct	1 out of 1 point	<a href="#">View question</a>
Question 2	Correct	1 out of 1 point	<a href="#">View question</a>
Question 3	Correct	1 out of 1 point	<a href="#">View question</a>

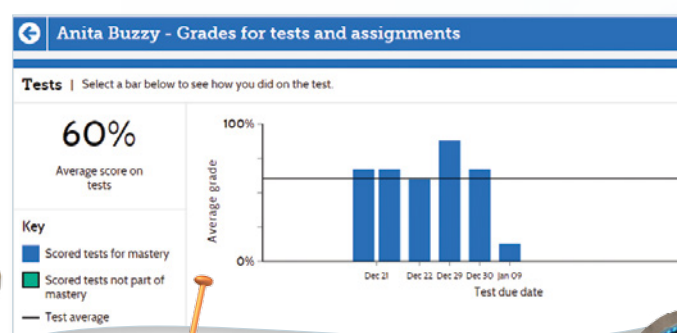
## Tutorial Videos

The BouncePages app launches a tutorial video from the text, illustrating the page's concept.



## View Performance

Parents and students see overall performance and results for individual assessments.



## Individual Study Plan

Instruction and practice address learning gaps.

Preview: Additional Practice for Topic 2: Readiness Assessment	
<b>Instructions</b>	
Your score showed that you'll benefit from more assignments. Here they are:	
Work to complete	Score
1-4: Ex 1: Rewrite Literal Equations & Try It!	-
1-4: Virtual Nerd™: How Do You Solve a Formula for a Variable?	-
1-4: MathXL for School: Reteach to Build Understanding	-

## Data to Drive Instruction

Teachers monitor and drive student achievement using easy-to-view reports. Mastery Reports show proficiency for each class or student by standard and are linked to resources that can be immediately assigned. Adaptive Practice is a daily option to support students on prerequisite skills not yet mastered or to move advanced students through on-level skills more efficiently.

### Class and Student Data

Access and analyze student and class data. Perfect for parent-teacher conferences!



Scores by standard for: Chris Anderson				
<div> <div></div> Mastered                     <div></div> Not mastered                 </div>				
Standard	Points correct ▼	Last tested	Times tested	Resources
S-ID.3.7 Interpret the slope (rate of change) and the intercept... <a href="#">More</a>	6/10	12/21/17	2	<a href="#">View resources</a>
A-CED.1.2	85/115	12/28/17	5	

### Adaptive Practice Powered by Knewton

View a real-time snapshot of progress and target crucial prerequisite skills through instruction and practice.

2-1: Adaptive Practice				
Assigned to: Class One				
In progress	Student status	Start date	Due date	
Brown, Tiana	In progress	12/20/17 11:00pm	12/30/17 10:59pm	
Completed				
Anderson, Chris <a href="#">Review</a> <a href="#">Make a comment</a>	Completed	12/20/17 11:00pm	12/30/17 10:59pm	11/12

Fully  
Integrated  
Adaptive  
Learning



## Auto-Graded and Auto-Assigned

Identify and address learning gaps with auto-graded assessments and auto-assigned individualized study plans.

**Topic 1: Readiness Assessment**

Which statement about the number  $-3$  is true? Select all that apply.

- ☐ A. It is a natural number.
- ☐ B. It is a whole number.
- ☐ C. It is an integer.
- ☐ D. It is a rational number.

**Preview: Additional Practice for Topic 2: Readiness Assessment**

**Instructions**

Your score showed that you'll benefit from more assignments. Here they are:

**Work to complete**

- 1-4: Ex 1: Rewrite Literal Equations & Try It!**  
CONCEPTUAL UNDERSTANDING
- 1-4: Virtual Nerd™: How Do You Solve a Formula for a Variable?**

## Item Analysis

Identify specific needs for whole class or small group reteaching and remediation.

**Mastery analysis** **Item analysis**

View by: **Question** Export Data

	Question	Max Points	# of Students Correct	# of Students Incorrect	# of Students Partial
↓	Question 1	1	11	1	0
↓	Question 2	1	10	2	0
↑	Question 3	1	10	2	0

Anderson, Chris  
Anderson, Chris  
Brown, Tiana

Previous Student Next Student

## Standards-Aligned Resources

Assign additional resources for differentiated instructional support.

Assigned to: Class One | Average score: 79%

Mastery analysisItem analysis

Results for 1-5 of 6 standards

MasteredNot mastered

F-IF.3.7.b

Graph square root, cube root, and piecewise-defined function, include step functions and absolute value.

View Resources

Average mastery for this test  
(% students mastered)

100%60%60%80%40%

NameScoreS1S2S3S4S5



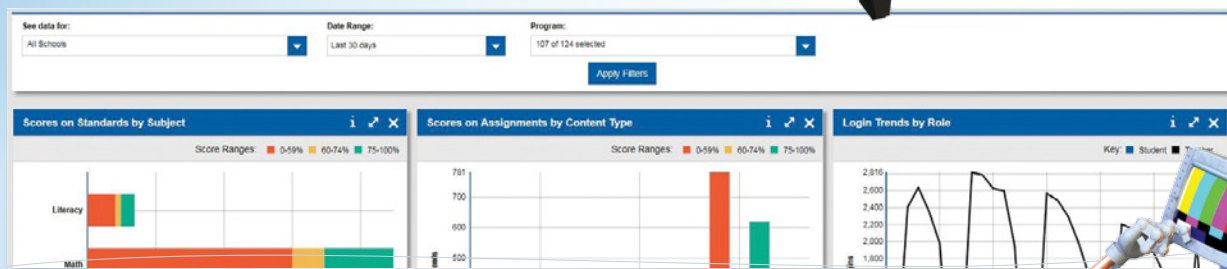
For every topic, use **ExamView** question banks to quickly customize tests tied to **enVision**, or write your own test items.

## Administrator View

Using the reports on SavvasRealize.com, administrators can track usage and scores by student, class, or school. Share best practices and target resources.

### Administrator's Dashboard

The Administrator's Dashboard gives you real-time visibility of overall mastery, assessment performance, and usage trends, allowing for efficient allocation of resources to support instructional needs. In-depth reports provide insight into district and school level performance.

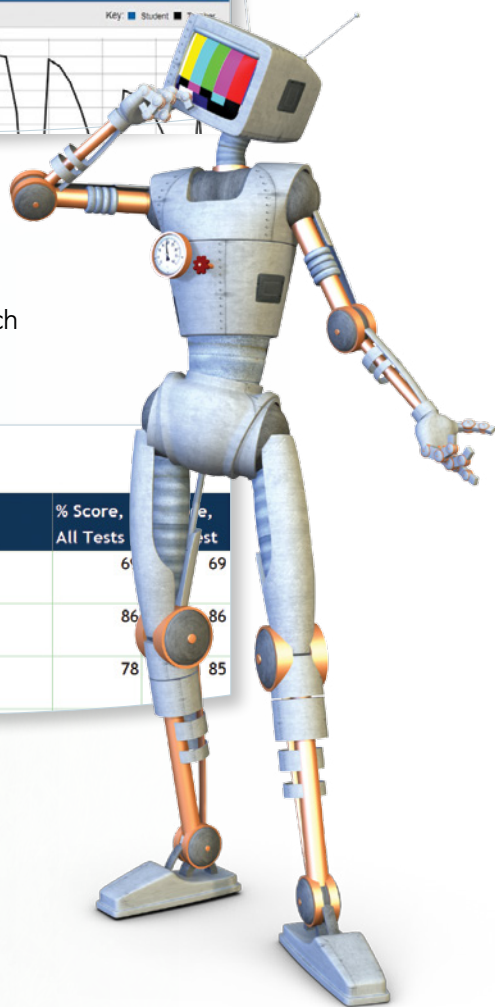


### How did classes perform on a standard?

With the **Scores by Standards** report, you can see across a school or district which standards require additional intervention and support.

**Scores by Standards for classes in selected schools**  
Tests submitted between 9/1/2017 and 5/31/2018

Standards Set	Standard	Code	School	Class	Teacher	% Score, All Tests	Score, Test
Mathematics Standards	Create equations that describe numbers or relationships.	A-CED.1.1	Taylor High School	Algebra I - 1st period	Henderson, Derrick	61	69
				Algebra I - 1st period	Slade, Sherri	86	86
				Algebra I - 2nd period	Henderson, Derrick	78	85
				Algebra I - 2nd period	Henderson, Derrick	78	85





## How did students perform on a standard?

See how each student's mastery of each standard is changing over time with the **Scores by Standards Detail** report. This report helps identify where along the learning trajectory a student may be struggling.

Scores by Standards for classes and students in selected schools

Tests submitted between 9/1/2017 and 5/31/2018

Standards Set	Standard	Code	School	Class	Teacher	Student Login	Student Name	% Score - All Tests	% Score - Last Test
Mathematics Standards	Create equations that describe numbers or relationships.	A-CED.1	Taylor High School	Algebra 1 - 3rd period	Peters, Tricia	chris@aga	Anderson, Chris	60	75
						tiana@aga	Brown, Tiana	40	50
						anita@aga	Buzzy, Anita	0	0
						mariana@aga	Hernandez, Mariana	0	0
						joshiah@aga	Jones, Josiah	20	25
						hassan@aga	Maalouf, Hassan	60	75
						george@aga	McNeary, George	20	25
						tam@aga	Nouven, Tam	0	0

## How did students perform on an assessment?

Find assessment trends with the **Scores on Selected Assessments** report. High scores highlight schools and teachers who can share instructional best practices for the assessment topic.

Scores on Selected Assessments

School	Class	Teacher	Product	Content Name	Login Name	Student Name	Percent Score
Taylor High School	Algebra 1 - 1st period	Henderson, Derrick	enVision Algebra 1	Topic 2: Assessment Form A	jorge@aga	Martinez, Jorge	60
					tiana@aga	Brown, Tiana	77
					jicela@aga	Bermudez, Jicela	81
					deshawn@aga	Singleton, DeShawn	94
					Test Average		78
			Class				78

## How did students individually and overall perform on each test item?

The **Item Details** report shows the Item Analysis of every question by every student who took an assessment. A high number of incorrect responses may indicate the need for further reteaching, whereas a high number of correct responses can help identify schools and teachers who can share best practices for instruction on that topic.

Item Details on enVision Grade 4 2020 | Topic 1 Online Assessments

Standard Code(s)	1		2		3		4		5		6	
	Raw Score	Max Score	Raw Score	Max Score	Raw Score	Max Score	Raw Score	Max Score	Raw Score	Max Score	Raw Score	Max Score
Overall Score	0.53	1	0.75	1	0.50	1	0.50	1	1.65	3	0.80	1
INTERNAL Pearson K-12 Mathematics School	0.53	1	0.75	1	0.50	1	0.50	1	1.65	3	0.80	1
*Sample enVisionmath2.0 K-5 All	0.50	1	0.50	1	0.50	1	0.50	1	1.50	3	0.50	1
K5, 91	0.00	1	0.00	1	0.00	1	0.00	1	0.00	3	0.00	1



# enVision<sup>®</sup> Mathematics

Kids See the Math. Teachers See Results.

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LEARNING COMPANY

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