

**Mc
Graw
Hill**

Digital Walkthrough
Grades K–5



West Virginia Reveal
MATH®

West Virginia Reveal Math[®]

The Digital Experience

West Virginia Reveal Math develops the problem solvers of tomorrow with a blend of purposeful print and digital resources. Featuring integrated technology and plentiful opportunities for students to explore, collaborate, practice, and reflect, West Virginia Reveal Math increases both student engagement and confidence.

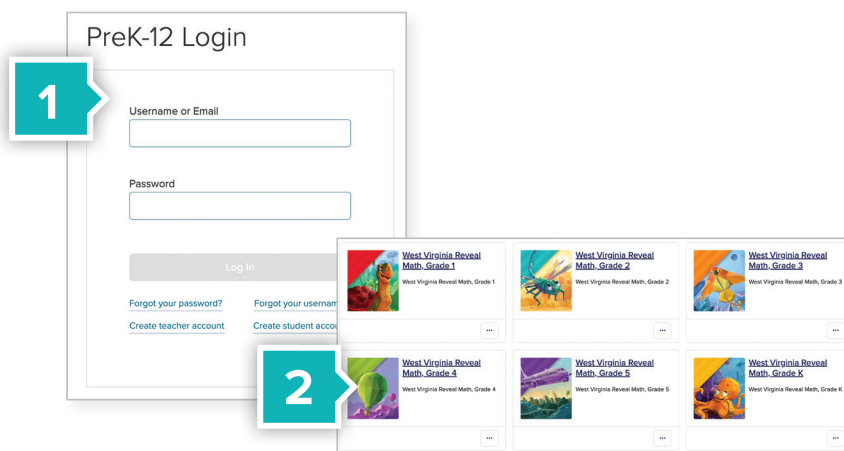
West Virginia Reveal Math currently integrates with the following Federated Standards: SAML 2.0 IDP, LTI 1.0, and Clever. Integration is possible with most learning management systems. Grade Passback and Assignment Sync are available with Canvas, Schoology, and Google Classroom; new integration required.

Use this Quick Start to review the Digital Teacher Center

- Teacher Dashboard
- Program Resources and Professional Development
- Unit Resources
- Lesson Resources for Teacher and Students
- Differentiation Resources
- Class Management Tools
- Assessments
- Reporting

Get Started

1. Visit mhonline.com/westvirginia to register for a username and password.
2. Select desired grade-level class.



Teacher Dashboard

Use the Teacher Dashboard as a central location to navigate the Digital Teacher Center.

The screenshot shows the 'Dashboard | West Virginia Reveal Math, Grade 3' interface. Callout 1 points to the 'My Programs' icon in the top left. Callout 2 points to the 'WV' dropdown menu in the top right. Callout 3 points to a large colorful graphic of a bird in flight. Callout 4 points to the 'Table of Contents' dropdown menu. Callout 5 points to the 'Table of Contents' list on the left side of the dashboard, which includes units from 'Unit 1: Math Is...' to 'Unit 11: Perimeter'.

1. Use side menu to locate:

- Dashboard
- Course
- Gradebook
- Calendar
- Assignments
- Roster
- Reports
- Assessments

2. Search content by keyword or standard.

3. Access eBooks including Teacher Editions and Interactive Student Editions.

4. Click on **Table of Contents** to quickly navigate the course.

5. From the **Table of Contents**, click on the unit or lesson name to access the instructional resources.

Program Resources and Professional Development

Locate Program Resources from the Teacher Dashboard:

- Click **Table of Contents**.
- **Program Resources and Professional Developmental Materials** are located at the top of the **Table of Contents**.
- Click on the name of the resource you would like to review.



Program Overview:

Learning & Support Resources

Teachers and administrators have access to self-paced, on-demand **Learning and Support Resources**, including:

- A Quick Start Course
- Digital Walkthrough Support
- Instructional Videos
- Workshop Modules

Program Resources:

Course Materials

The following resources are available under **Course Materials**:

- Teacher and Student eBooks
- Teacher Planning Resources
- eToolkit
- Digital Game Library
- STEM Career Kid Video Library
- Math In Action Video Library
- Glossary

Unit Resources

Click the **Table of Contents** and select a unit. Once you've reached your unit landing page, click **Expand All** to see the resources within each menu.

1. Easily Plan with Point-of-Use Resources

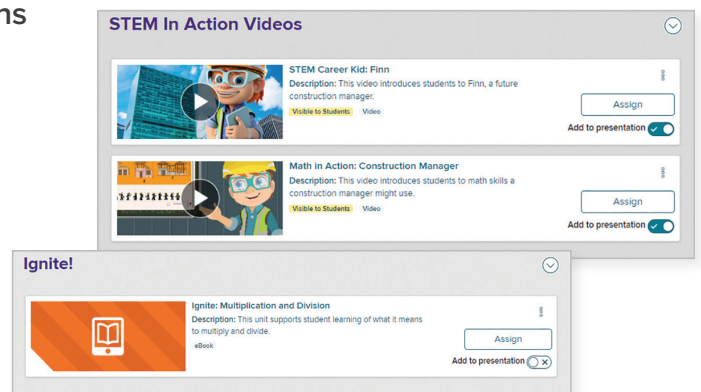
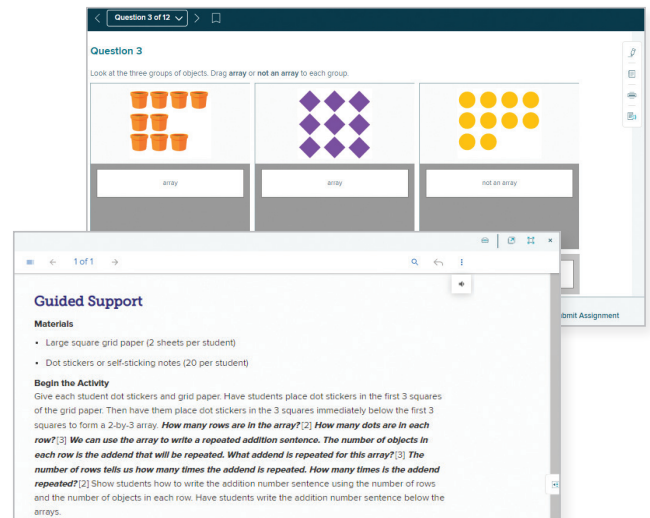
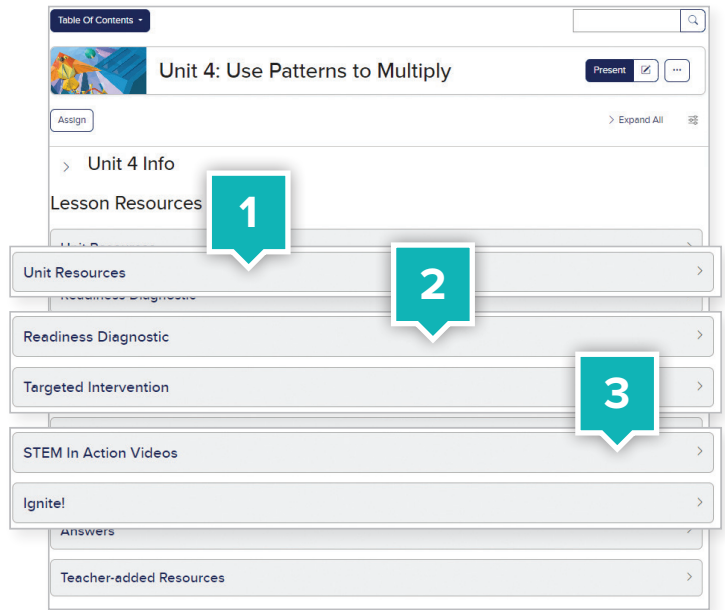
- Expert Insight Videos
- Teacher and Student eBooks
- Family Letters (English and Spanish)
- Vocabulary Cards
- Foldables®
- Application Station Cards
- And more!

2. Ensure Student Readiness

- **Readiness Diagnostic Assessment** to uncover any gaps in prerequisite knowledge needed to access the unit.
- **Targeted Intervention** resources, including Guided Supports and Skills Support Sheets, align to the beginning- and end-of-unit assessment items.

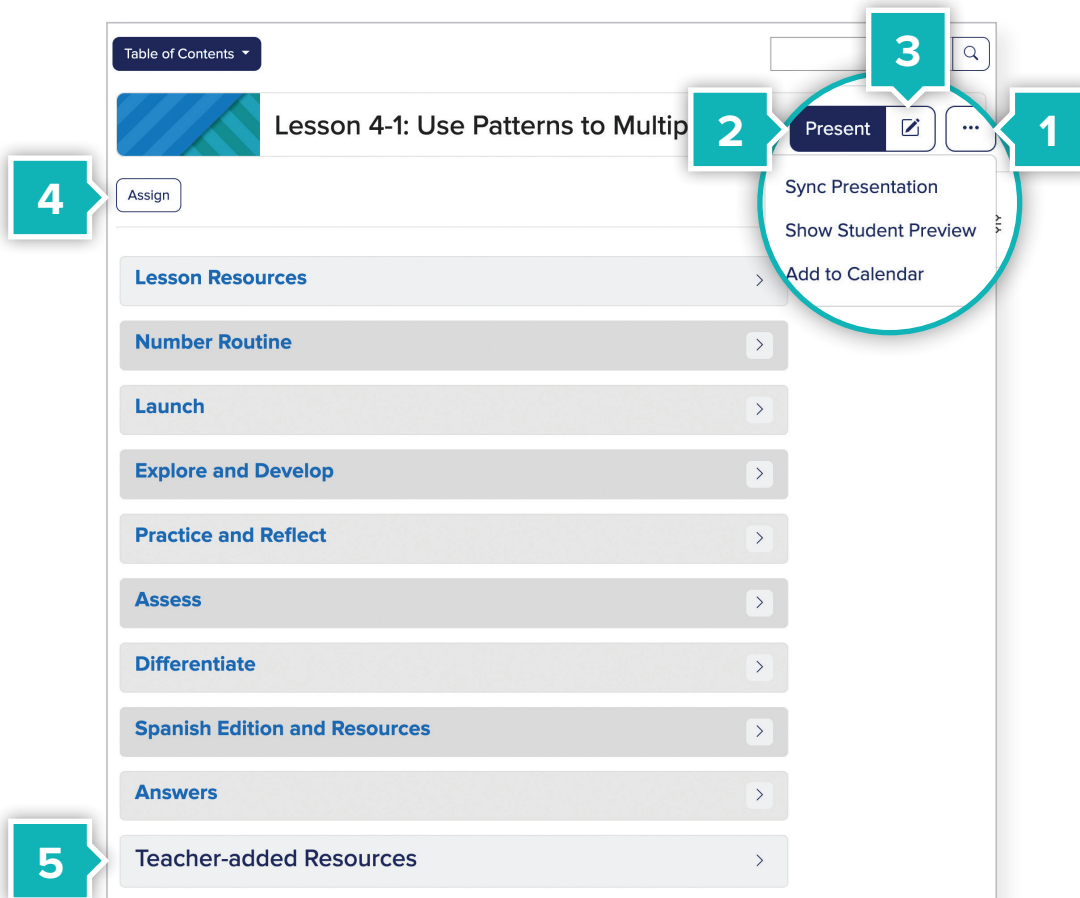
3. Spark Curiosity and Make Real-World Connections

- The STEM Career Kid video introduces the unit's STEM Career, and the Math in Action video applies the math content of the unit to real-world situations.
- Each unit opens with an Ignite! activity, an interesting problem or puzzle that sparks students' interest and curiosity.



Lesson Resources for Teachers

Click the **Table of Contents** and select a lesson. Once you've reached your lesson landing page, click **Expand All** to see the resources within each menu.



1. Add a lesson to your class calendar.
2. **Launch** your lesson presentation here.
3. You can also rearrange or edit the presentation by clicking the edit button.
4. **Assign** activities or assessments to an individual or a whole class.
5. Add your own resources to include in presentations or to assign to your students from the **Teacher-added Resources** menu.

You can easily plan and prepare using the simple layout organization that aligns with your print Teacher Edition.

1

Practice and Reflect



On My Own: Understand Equal Sharing

Description: This practice provides students the opportunity to develop a deeper understanding of representing division using equal sharing.

Tags: eBook

Presentation

Assign ...

2



Math Replay: Understand Equal Sharing

Description: This video provides teacher, students, and guardians with a review of how to represent division with equal sharing.

Tags: Video Visible to Students

Presentation

Assign ...



Learning Targets: Understand Equal Sharing

Description: This teacher presentation reflects on the learning targets of the lesson.

Lesson Resources for Students

Teachers can assign students access to several instructional resources, including their **Interactive Student Edition**, and **Math Replay Videos**.

1. Click the section titled **Practice and Reflect**.
2. Click on the tile images to view the instructional resources.

Grade 3

Search eTools

Choose eTools.



Counters



Counting Sticks



Dominoes

Math Replay: Understand Equal Groups



?

How can you represent the number of peaches in the three baskets?

Interactive Student Edition

When using their **Interactive Student Edition**, students can digitally take notes and answer questions, while accessing multimedia resources and **virtual manipulatives**.

- Access **virtual manipulatives** using the **eToolkit** located on the top right corner of their **Interactive Student Edition**.

Math Replay

Math Replay Videos review the lesson concept for students and parents and can be referenced while completing independent work.

Differentiation Resources

1. Review digital differentiation resources by clicking the section titled **Differentiate** within the lesson.
2. Click on the tile images to view the instructional resources.

Assignable Differentiated Activities

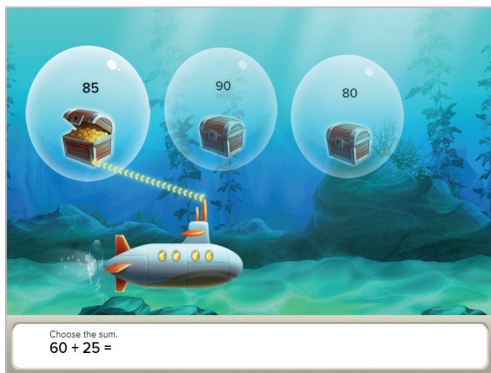
Following the Exit Ticket, teachers can deploy a variety of differentiated digital activities in addition to the purposeful practice provided with hands-on workstations and practice sheets.

Reinforce Understanding

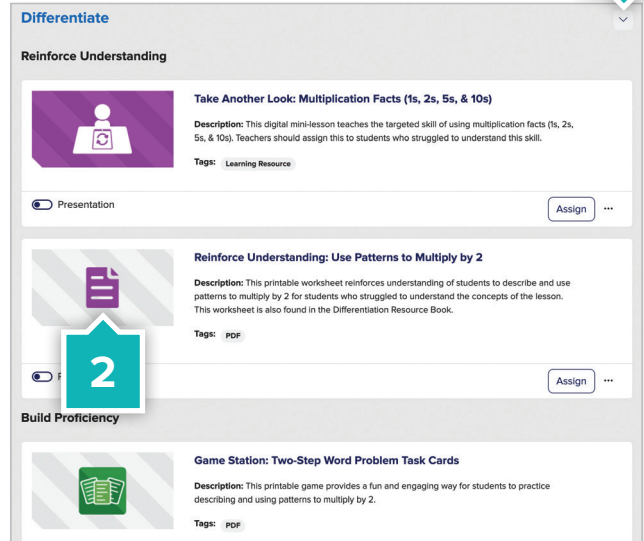


Take Another Look: Mini-Lesson

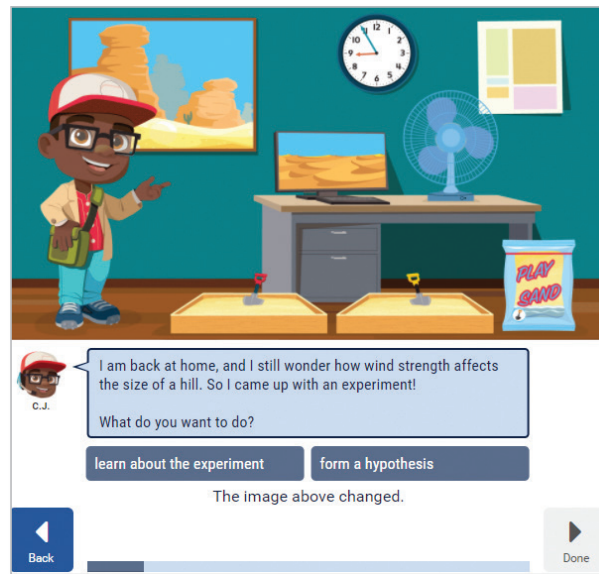
Build Proficiency



Digital Game



Extend Thinking



STEM Adventure

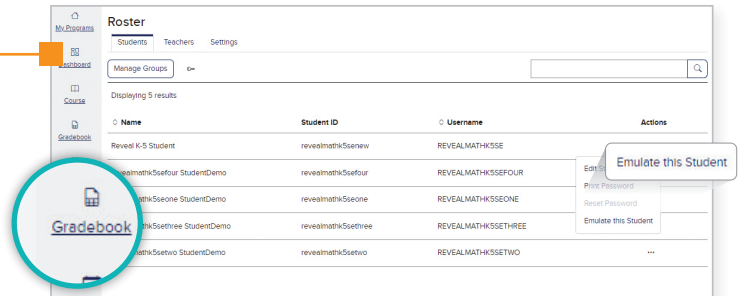
Each unit has either an embedded STEM Adventure or Websketch Exploration to provide application and/or extended thinking opportunities.

Classroom Management Tools

From the **Main Menu** on the left of the screen, click **Roster** to view some of the tools that make planning easier.

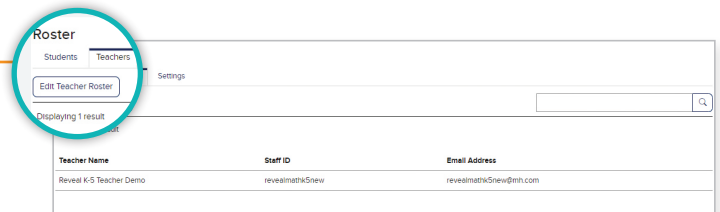
Preview Student Experience

Emulate this Student allows teachers to view which resources students will see and have access to in their Digital Student Center.



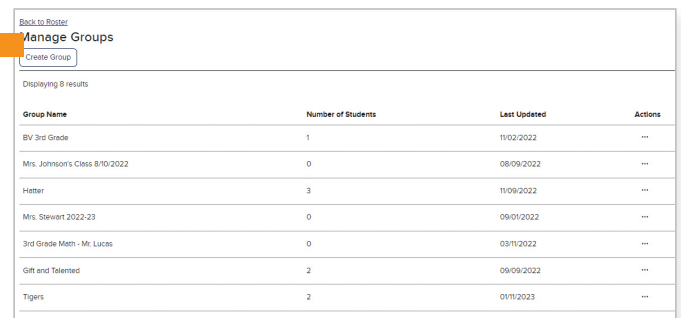
Share Your Class

Teachers can share class rosters, groupings, reports, assignments, lesson plans, and more with colleagues for the purpose of co-teaching, intervention, or instructional planning.



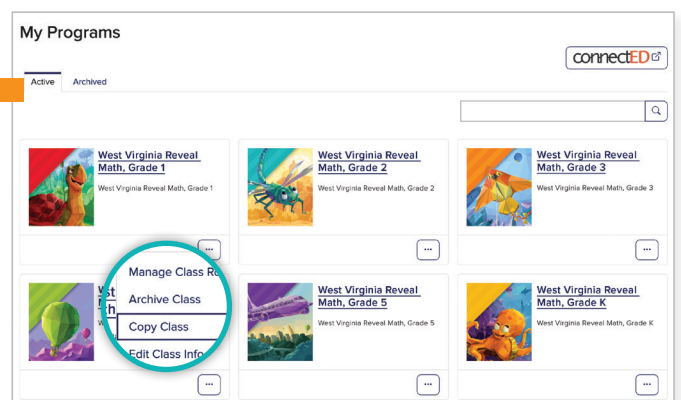
Group Your Students

Groups can be defined and used to differentiate assignments or assessments.



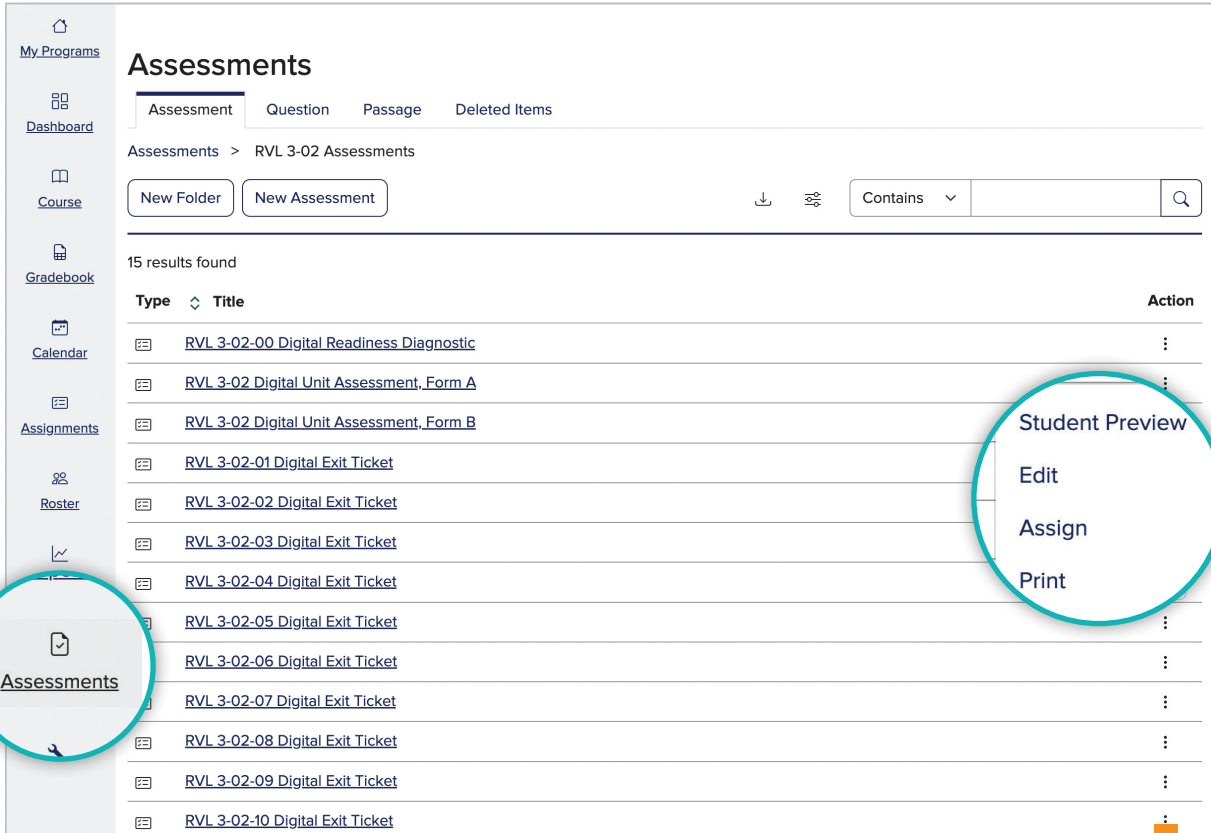
Copy Class

Copy Class feature lives on the **My Programs** page and allows enables to copy all course assignments and customizations to another class.



Digital Assessment Resources

From the **Main Menu** on the left of the screen, click **Assessments** to view all assessment items. Click into any folder.



The screenshot displays the 'Assessments' page in a web application. On the left is a vertical 'Main Menu' with icons and labels for 'My Programs', 'Dashboard', 'Course', 'Gradebook', 'Calendar', 'Assessments', and 'Roster'. The 'Assessments' menu item is circled in teal. The main content area is titled 'Assessments' and has tabs for 'Assessment', 'Question', 'Passage', and 'Deleted Items'. Below the tabs, it shows 'Assessments > RVL 3-02 Assessments' and buttons for 'New Folder' and 'New Assessment'. A search bar contains the text 'Contains'. Below this, it states '15 results found' and shows a table of assessments. The table has columns for 'Type', 'Title', and 'Action'. The 'Action' column contains three-dot menus. One of these menus is circled in teal and lists the options: 'Student Preview', 'Edit', 'Assign', and 'Print'. A vertical orange line extends from the bottom of the circled menu down to the text below.

Type	Title	Action
	RVL 3-02-00 Digital Readiness Diagnostic	⋮
	RVL 3-02 Digital Unit Assessment, Form A	⋮
	RVL 3-02 Digital Unit Assessment, Form B	⋮
	RVL 3-02-01 Digital Exit Ticket	⋮
	RVL 3-02-02 Digital Exit Ticket	⋮
	RVL 3-02-03 Digital Exit Ticket	⋮
	RVL 3-02-04 Digital Exit Ticket	⋮
	RVL 3-02-05 Digital Exit Ticket	⋮
	RVL 3-02-06 Digital Exit Ticket	⋮
	RVL 3-02-07 Digital Exit Ticket	⋮
	RVL 3-02-08 Digital Exit Ticket	⋮
	RVL 3-02-09 Digital Exit Ticket	⋮
	RVL 3-02-10 Digital Exit Ticket	⋮

From the right of any assessment, click the Three-Dot Menu to view questions as a student, edit, or export question metadata including West Virginia CCR Standards for Mathematics by question.



West Virginia Reveal Math offers a comprehensive set of assessment tools. Assessments can be assigned from Unit and Lesson landing pages. All digital assessments have a PDF alternative. Digital assessments include:

- Course Diagnostic
- Course Benchmark Assessments
- Unit Readiness Diagnostic
- Unit Assessment Form A
- Unit Assessment Form B
- End-of-Year Assessment
- Lesson Exit Tickets

Customize for Classroom Needs

You can assign assessments to an individual student, group, or whole class and customize the assessment experience settings and support tools to meet student needs. You can also share customized assessments with other teachers.

Easily edit existing assessments or create your own using question banks and authoring tools that offer the following question types:

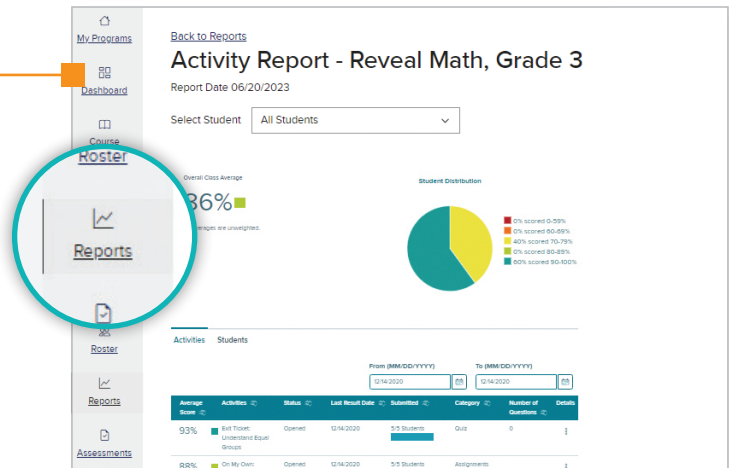
- Multiple Choice
- Fill-in-the-Blank
- True/False
- Multiple Choice, Multi-Select
- Equation Entry
- Matching
- Bucketing
- Ordering
- Choice Matrix
- Grid-In
- Audio Recording
- Number Line and more!

Dynamic Reporting

From the **Main Menu** on the left of the screen, click **Reports**. *West Virginia Reveal Math's* interactive performance reports provide immediate feedback that allows teachers to make data-driven instructional decisions.

Activity Performance Report

You can review useful data points for class activities, including item analysis by student and class. On the Dashboard the overall class average for all completed activities is displayed along side the distribution of student scores in the pie chart.



Standards Performance Report

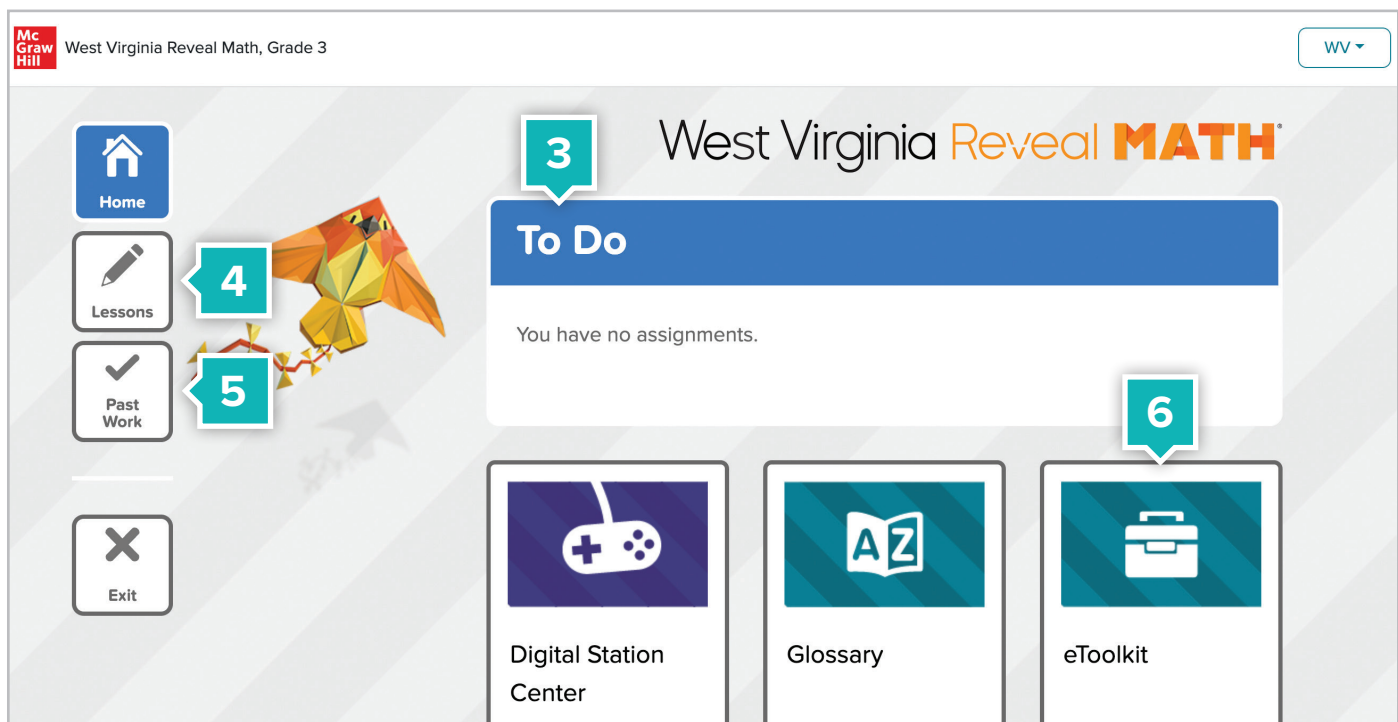
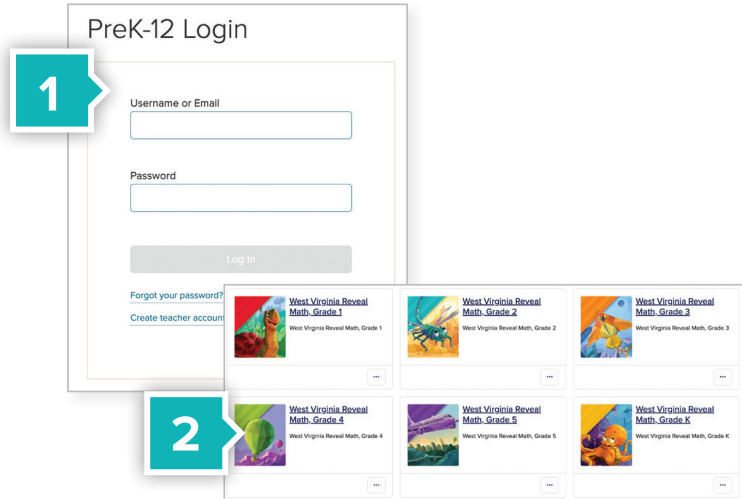
You can access information on class performance by West Virginia CCR Mathematics Standard, including a cumulative score by class and student.

Standards	Description	Class Avg	Questions
WV Math Content M.3.16	Understand a fraction as a number on the number line and represent fractions on a number line diagram. Instructional Note: Fractions in this standard are limited to denominators of 2, 3, 4, 6, and 8.	82%	9
M.3.16a	Represent a fraction $\frac{1}{b}$ on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into b equal parts. Recognize that each part has size $\frac{1}{b}$ and that the endpoint of the part based at 0 locates the number $\frac{1}{b}$ on the number line (e.g., given that b parts is 4 parts, then $\frac{1}{b}$ represents $\frac{1}{4}$; students partition the number line into fourths and locate $\frac{1}{4}$ on the number line).	82%	9
M.3.16b	Represent a fraction $\frac{a}{b}$ on a number line diagram by marking off length $\frac{1}{b}$ from 0. Recognize that the resulting interval has size $\frac{1}{b}$ and that its endpoint locates the number $\frac{a}{b}$ on the number line (e.g., given that a/b represents $\frac{3}{4}$ or $\frac{6}{4}$, students partition the number line into fourths and represent these fractions accurately on the same number line; students extend the number line to include the number of wholes required for the given fractions).	82%	9



Navigate the Student Dashboard

1. Visit mheonline.com/westvirginia to register for a username and password to log in to the Digital Student Center.
2. Select desired grade-level class.



3. Open scheduled work or assessments from the To-Do List.
4. View specific lesson resources throughout the course.
5. Review previously completed work and reference students' scores.
6. Access the eToolkit, Glossary, and Interactive Student Editions.

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Reveal the Full Potential in Every Student
Learn more at mheonline.com/westvirginia

