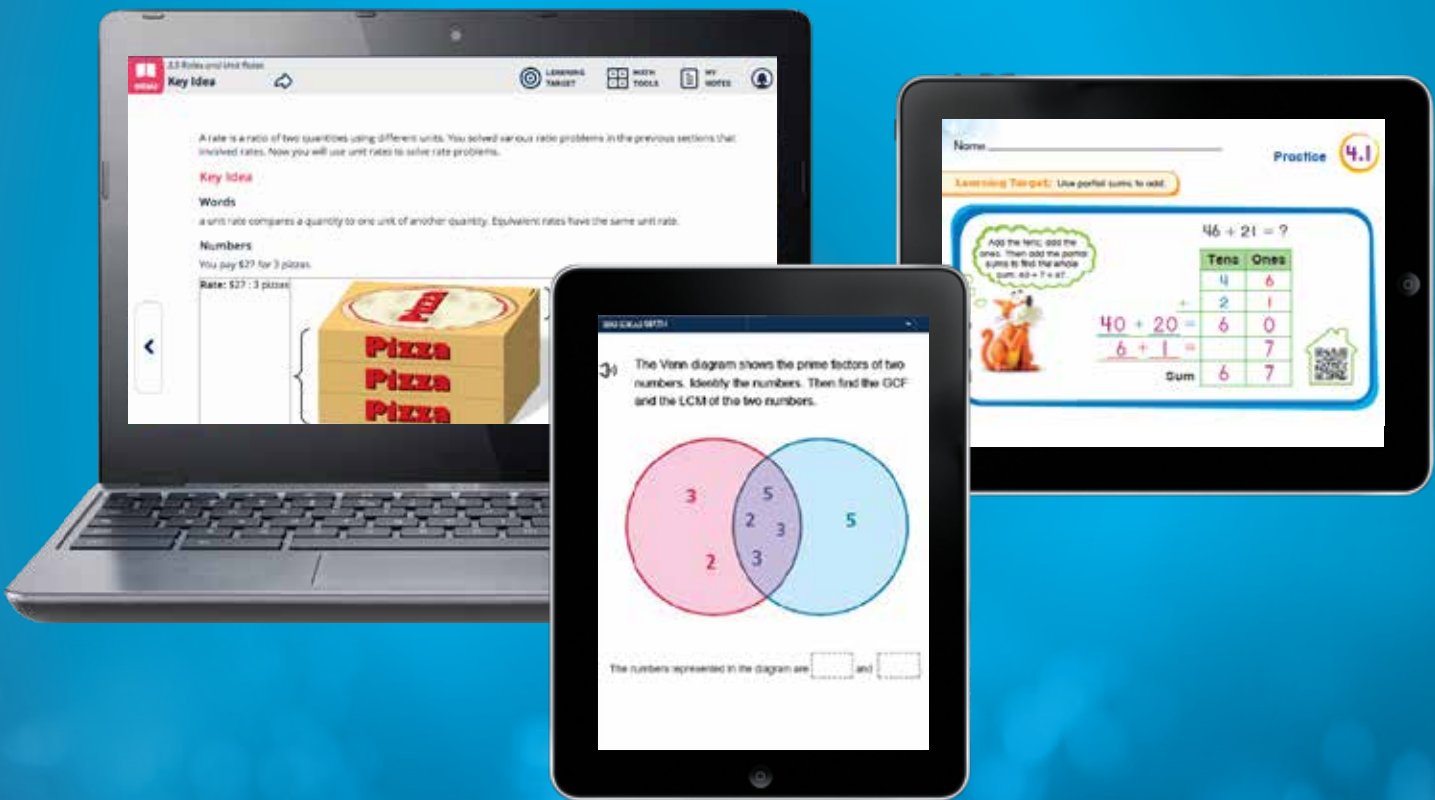


BIG IDEAS MATH[®]

Grades K-12

Ron Larson & Laurie Boswell



Dynamic Technology

Dynamic Student Edition

The **Dynamic Student Edition** is a complete, interactive version of the Student Edition. Students have access to interactive explorations, digital examples, virtual manipulatives, Lesson Tutorial Videos, and digital exercises from the textbook.

Welcome to Big Ideas Math!
Grade 3: MRL

Continue
1 Understand Multiplication and Division
1.1 Use Equal Groups to Multiply

Assignments
Homework & Practice
Practice
Due: 8/15/18 11:22 AM

Games
Fraction Spin and Cover
Chapter 10 - Understand Fractions

Math Musicals
Olé, Olé, Olé! Welcome to Spain
2s, 3s, 4s, and 5s Multiplication Facts

Student Resources
Math Tools Skills Review Handbook eBook Videos

Explore and Grow

Use the $\frac{1}{6}$ Fraction Strip to complete the fractions on the number line.

0 $\frac{1}{6}$ $\frac{2}{6}$ $\frac{3}{6}$ $\frac{4}{6}$ $\frac{5}{6}$ 1

$\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$

Continue

Parallel and Perpendicular Lines
Exercise 3

Which of the lines are parallel?
 a and b
 a and c
 b and c

Which of the lines are perpendicular?
 a and d
 b and d
 c and d

Having Trouble? Watch this video

Check ? Help

PREV ... 2 3 4 5 6 7 ... NEXT

Example 4

In a seven-game basketball series, a team's power forward scores 8 points for every 5 points the center scores. The forward scores 60 more points than the center in the series. How many points does each player score in the series?

The ratio of the forward's points to the center's points is 8 : 5. Represent the ratio using a tape diagram.

Forward $\frac{8}{16}$
Center $\frac{5}{10}$ These 3 parts represent the additional 60 points the forward scores.

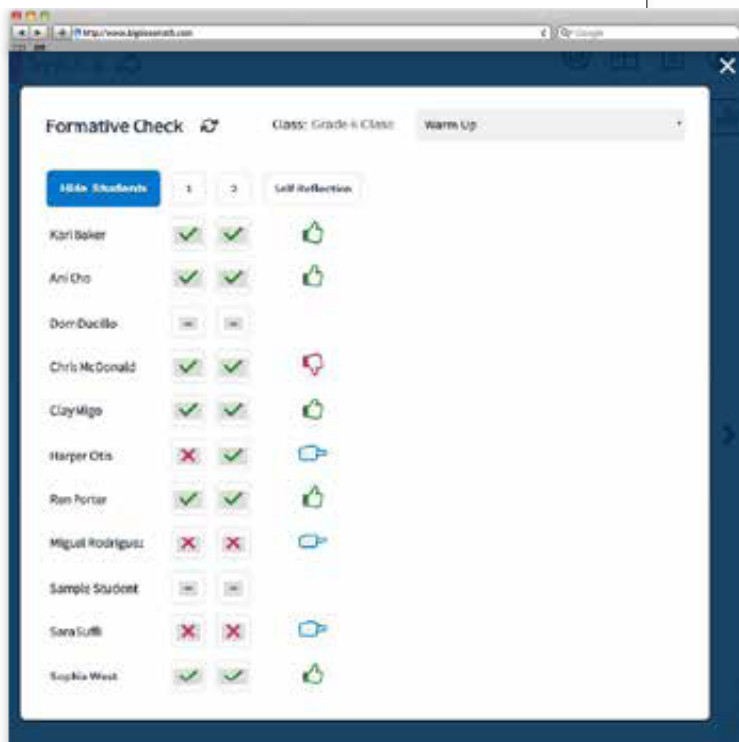
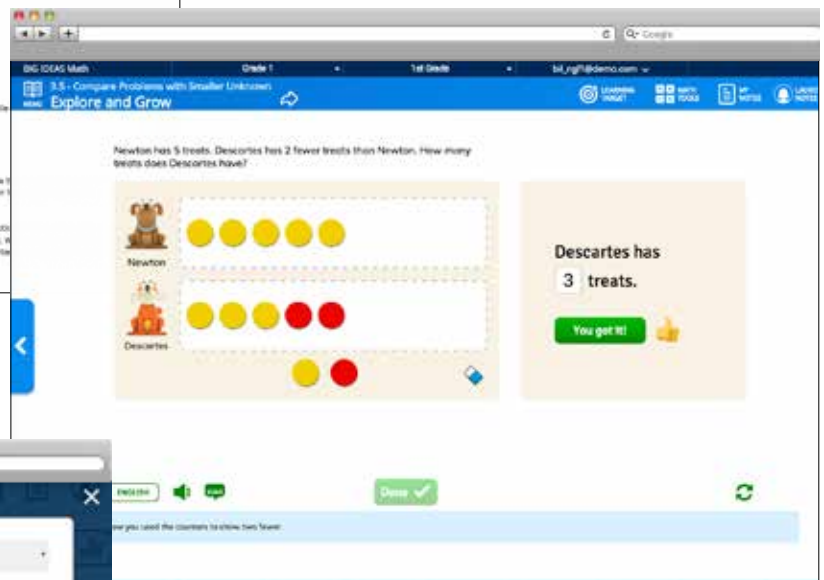
1 part represents $60 \div 3 = 20$ points
 8 parts represent $8 \cdot 20 = 160$ points
 5 parts represent $5 \cdot 20 = 100$ points

So, the forward scores 160 points in the series and the center scores 100 points in the series.

Dynamic Classroom

The **Dynamic Classroom** mimics the students' Dynamic Student Edition, with additional resources and support for teachers.

- Interactive explorations and digital examples from the textbook create a 21st-century classroom atmosphere that engages students.
- Point-of-use Laurie's Notes guide instruction with motivation suggestions, teaching tips, questions to ask the students, and closure strategies.
- Standards at point of use and more!

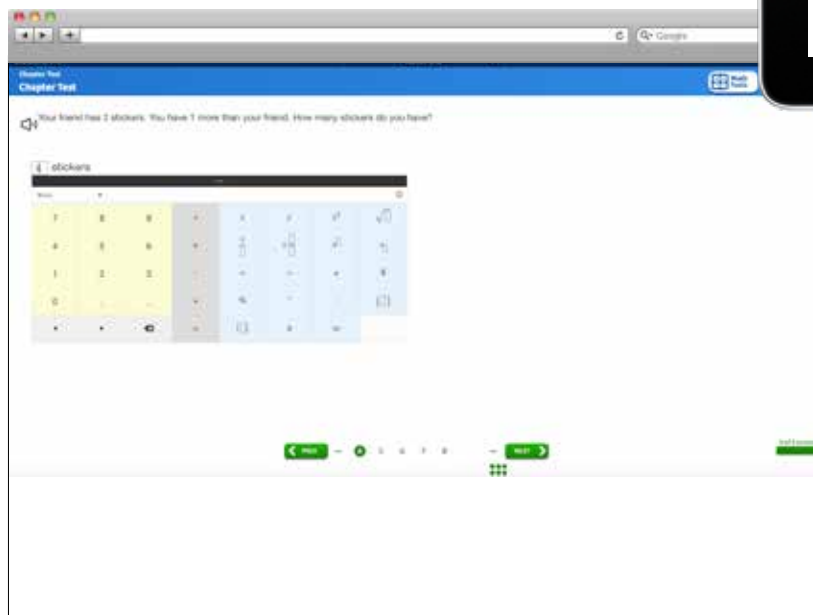
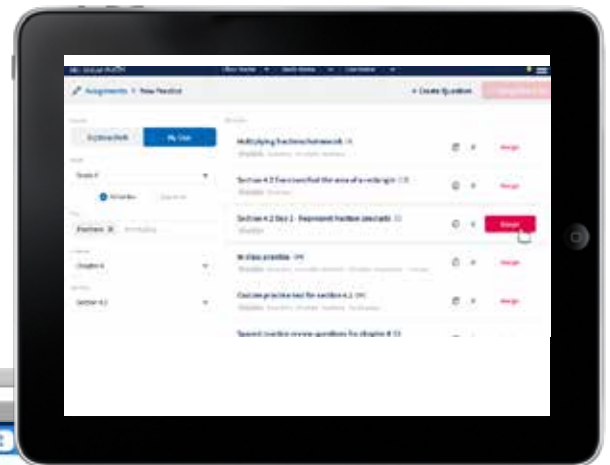
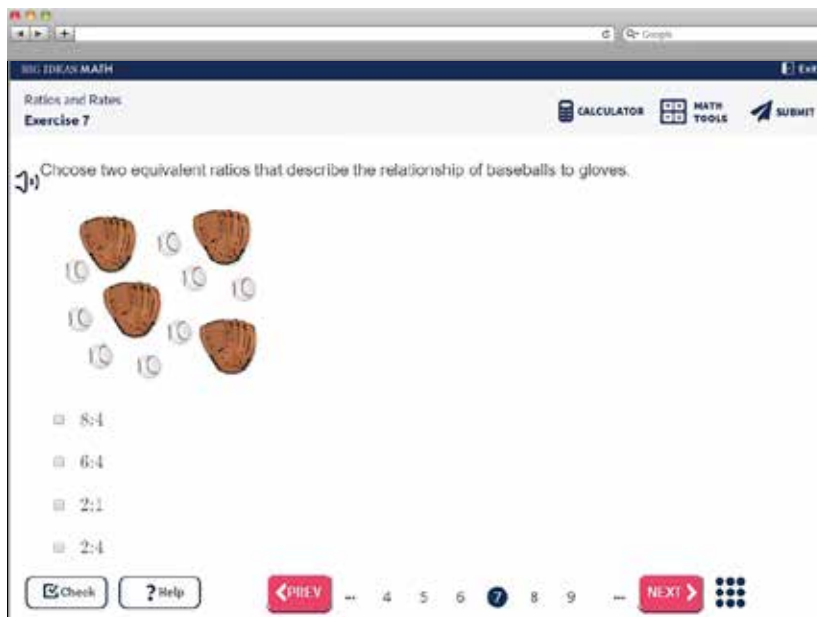


The **Formative Check** provides teachers with immediate feedback on student progress, making it easy to differentiate and provide support where it is needed the most.

Dynamic Assessment System

With the **Dynamic Assessment System**, teachers can create customizable homework and assessments with *Big Ideas Math* question banks or items they create!

- Question types include technology-enhanced items such as drag and drop, graphing, point plotting, multiple select, and fill in the blank using math expressions.
- Assignments are automatically scored, and students have access to immediate remediation on homework questions.
- Reports provide the feedback teachers need to drive instruction.



Students complete the assignments online and can receive immediate feedback on their progress.

Digital Review for the Dynamic Technology Package

Request review access at NGL.Cengage.com/DigitalReview or contact your local sales consultant for more information.

TECHNOLOGY RESOURCES

Dynamic Student Edition

Includes access to the Student Edition online, as well as:

- Virtual Manipulatives
- Interactive Explorations
- Digital Examples
- Lesson Tutorial Videos*

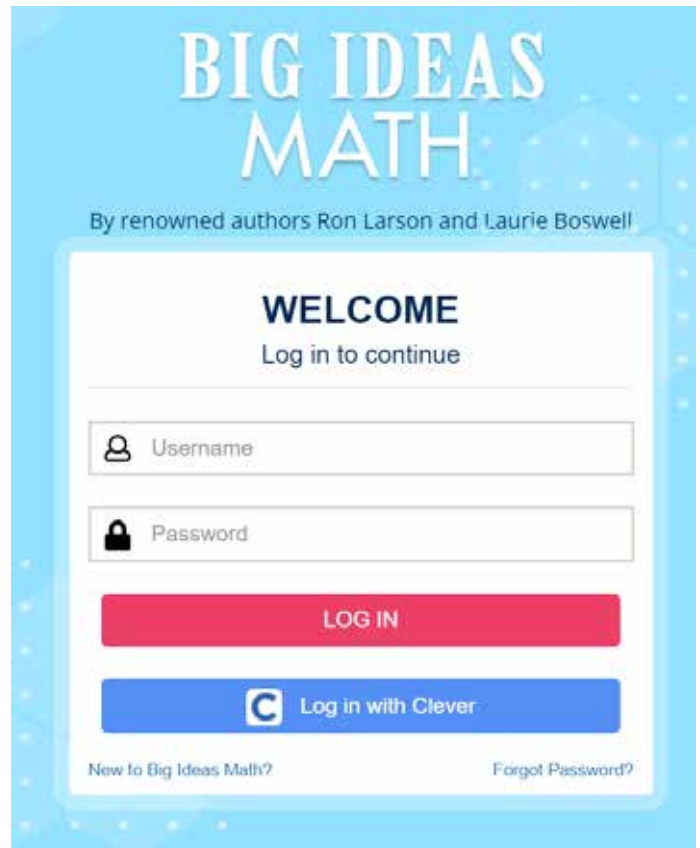
Dynamic Classroom

Includes access to the Teaching Edition, as well as:

- Laurie's Notes
- Virtual Manipulatives
- Interactive Explorations
- Digital Examples
- Formative Check
- Flip-To

Dynamic Teaching Tools

- Answer Presentation Tool*
- Skills Trainer
- Digital Flashcards
- STEAM Videos*
- Game Library
- Multi-Language Glossary
- Additional Online Resources
 - Lesson Plans
 - Differentiating the Lesson
 - Graphic Organizers
 - Pacing Guides
 - Worked-Out Solutions Key*
 - Math Tool Paper



Dynamic Assessment System

- Customized Practice and Assessments
- Detailed Reports

Video Support for Teachers

- Pedagogical Approach Videos
- Concepts and Tools Videos

* Grades 3–12

Dynamic Teaching Tools:

Skills Trainer



The **Skills Trainer** is an online interactive tool for skill practice that comes with detailed reports for teachers to gain insight into each student's proficiency. Students have access to every skill from Grade K through Geometry.

Math Musicals

(Grades K–5)



Math Musicals are a fun way of bringing music and literature into your math classroom. Newton, the dog, and Descartes, the cat, team up to provide educational stories, songs, and animations to enhance student learning.

STEAM and STEM Videos

(Grades 3–12)



STEAM and **STEM Videos** allow students to see mathematics in real life. They also come with corresponding Performance Tasks to make further connections to the mathematical content. Students learn about DNA, the carbon atom, natural disasters, and more!

NGL.Cengage.com/BigIdeas

Dynamic Investigations

(Grades 9-12)



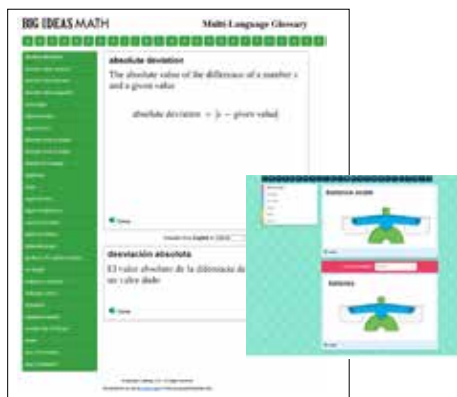
Teachers and students can integrate the **Dynamic Investigations** into their discovery learning by interacting with the mathematical content in *Big Ideas Math Explorations*.

Game Library (Grades K–Algebra 2)



The **Game Library** provides many games that students and educators can utilize to enhance the classroom experience or to practice concepts at school or home in a fun, low-pressure way.

Multi-language Glossary



The online **Multi-Language Glossary** includes translations of mathematical terms in over 14 languages.

888-915-3276

Math Tools



The **Math Tools** provide an array of virtual manipulatives for modeling lessons or for students to work out solutions while practicing in their Dynamic Student Edition. These tools support hands-on learning and facilitate the transition from the concrete to the abstract.

Video Support for Teachers



Pedagogical Approach videos focus on the instructional design and best practices. **Concepts and Tools** videos offer manipulative usage tips and strategies.

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