
SpringBoard® Sample Review

MATHEMATICS, GRADES 6–12

NATIONAL EDITION

Contents

SpringBoard is pleased to provide access to
the electronic samples of the 2018 Edition of

Mathematics Grades 6–12

TO ACCESS

SEE PAGE

Login Page	3
Dashboard Overview	4
eBook Navigation	5
eBook Teacher Wrap	6
eBook Correlations Viewer	7
eBook Smart Tools	8
Assessments	10
Progress Reports	11
System Requirements	12

Login Page

SpringBoard® Digital makes possible deeper, richer, and more effective teaching and learning. For optimal viewing experience, see our System Requirements. (Please refer to final page.)

CollegeBoard

SpringBoard

SpringBoard

Please select your state to log in to SpringBoard.

Select a State

Submit

east1e 214.0.0 | © 2020 The College Board [Terms of Use](#) [Privacy Policy](#) [Help](#) Contact Us: 877-999-7723 or sbtechsupport@collegeboard.org

CollegeBoard

SpringBoard

SpringBoard®

New York SpringBoard Preview

Log in to SpringBoard:

User Name

user name

Password

password

Log In

English Language Arts

Getting Started

[SpringBoard® English Language Arts Sample Review](#)

Digital Reviewers Guide

Guide

Mathematics

Getting Started

[Getting Started](#)

[Features Guide](#)

Correlations

[Mathematics Course 1](#)

[Mathematics Course 2](#)

[Mathematics Course 3 / Pre Algebra](#)

[Algebra 1](#)

[Geometry](#)

[Algebra 2](#)

[Precalculus](#)

Professional Learning

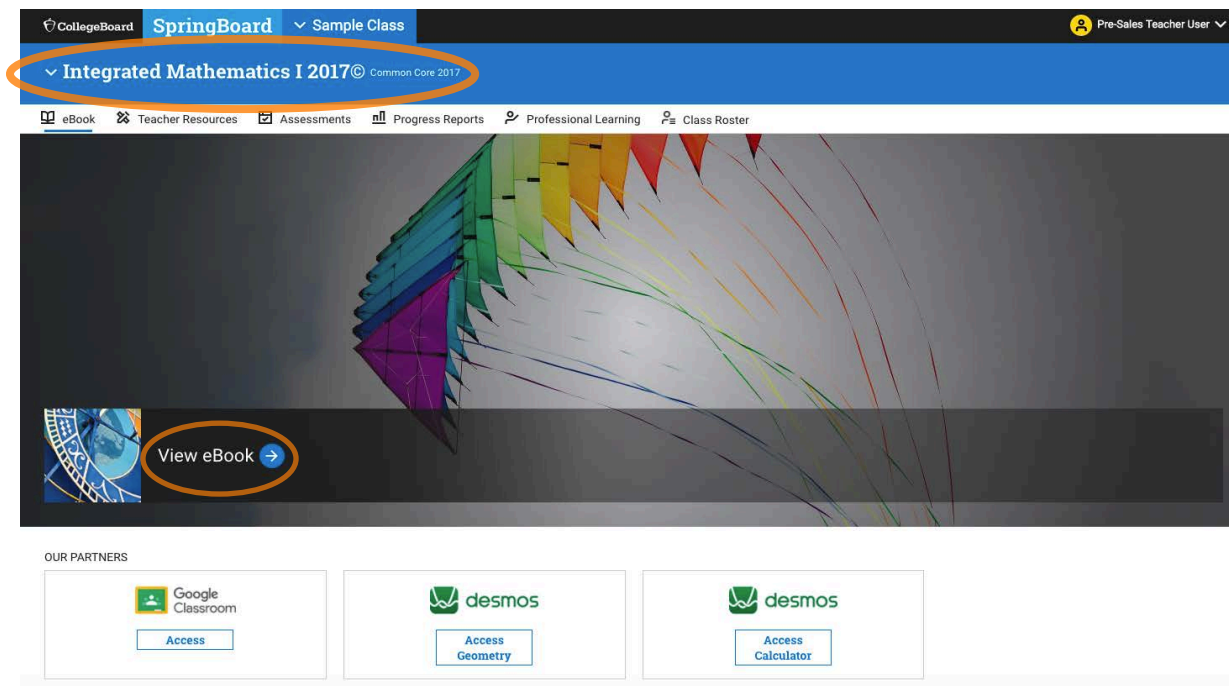
[Overview Video](#)

[Professional Learning Brochure](#)

Select your State and enter your designated **Username** and **Password**.

Landing Page

From the landing page, select your Mathematics book. Click on **View eBook** to access a selected book.



EBOOK

Interactive eBooks (student and teacher).

TEACHER RESOURCES

Student- and teacher-facing resources, activities, and strategies to support differentiation.

ASSESSMENT

Online, printable, and custom assessments.

PROGRESS REPORTS

Assignment, assessment, and standards progress reports to provide insight into student performance.

CLASS ROSTER

Manage classes and student enrollment.

PROFESSIONAL DEVELOPMENT

Access training modules to support your SpringBoard experience.

GOOGLE CLASSROOM

Access to your classes in Google Classroom where you can share links to SpringBoard eBook assignments, grade, send feedback, and communicate with your students.

DESMOS CLASSROOM ACTIVITIES

Engaging and collaborative digital activities to support and enhance student learning of mathematics.

DESMOS CALCULATOR

Access to Desmos online graphing and scientific calculators from SpringBoard's home page.

DESMOS GEOMETRY

Access Desmos online geometry tool from SpringBoard's home page.

eBook Navigation

All SpringBoard Digital eBook functionality may be accessed from the left sidebar.



TABLE OF CONTENTS

A quick way to browse through the materials— find a unit or activity.



TEACHER WRAP

Quick access to switch between the Teacher Guide and Student pages.



CORRELATIONS

Search /view embedded standards in the Teacher or Student pages.



SEARCH

Enables you to search by keyword through the content.



PRINT

Allows you to print a Student or Teacher page with or without your annotations.



PREFERENCES

View content as a Teacher or Student. Select a color for annotations on the student page.

The screenshot shows the 'Teacher Wrap' interface. On the left is a dark sidebar with icons for home, search, print, and settings. The main area has a top bar with 'Teacher Wrap' and an 'edit' button. Below this is a 'PLAN' section with a green header, containing 'Pacing: 1 class period', 'Chunking the Lesson' (with sub-items #1-2 and #6 #7-10, each followed by 'Check Your Understanding'), and 'Lesson Practice'. Below the 'PLAN' section is a 'TEACH' section with a green header. It contains a 'Bell-Ringer Activity' with equations $23 + 16 = 48 - 9$ and $18(3) = 35 + 17$, and a '1-2 Marking the Text, Think-Pair-Share, Predict and Confirm, Construct an Argument, Debriefing' section. The bottom of the 'TEACH' section contains a paragraph about exploring equations with no or infinite solutions.

eBook Teacher Wrap

The Teacher Wrap is where you'll find teacher tips.

eBook Teacher Wrap

Editable Teacher Wrap features suggested learning steps, opportunities for differentiated instruction, and more.

The screenshot shows the 'Teacher Wrap' interface with a sidebar on the left containing icons for home, search, print, and settings. The main content area is titled 'Teacher Wrap' with an 'edit' button. Below the title is a 'page 35' indicator. The 'Activity Standards Focus' section contains text about solving linear inequalities. Below this is a green 'PLAN' section with the following content:

- Pacing:** 1 class period
- Chunking the Lesson**
- #1–3 #4–7 #8–9
- Check Your Understanding
- Lesson Practice

Below the plan section is a green 'TEACH' section with the following content:

- Bell-Ringer Activity**
- As a review of inequality signs and how to compare numbers, have students complete each of the following statements with $<$ or $>$.
- 1. $3.05 \square$

The screenshot shows the 'Teacher Wrap' interface with a sidebar on the left containing icons for home, search, print, and settings. The main content area is titled 'Teacher Wrap' with an 'edit on' button. Below the title is a 'Click to add your own content.' prompt. Below this is a content editor with tabs for 'edit', 'original', and 'revisions'. The editor has a toolbar with bold (B), italic (I), bulleted list, numbered list, link, and link icon buttons. The content area contains the following text:

Plan

Packing: 1 class period

Chunking the Lesson

#1–4

Check Your Understanding

#7–10 #11–13

Example A

Check Your Understanding

Lesson Practice

save cancel


Below the editor is a green 'TEACH' section with the following content:

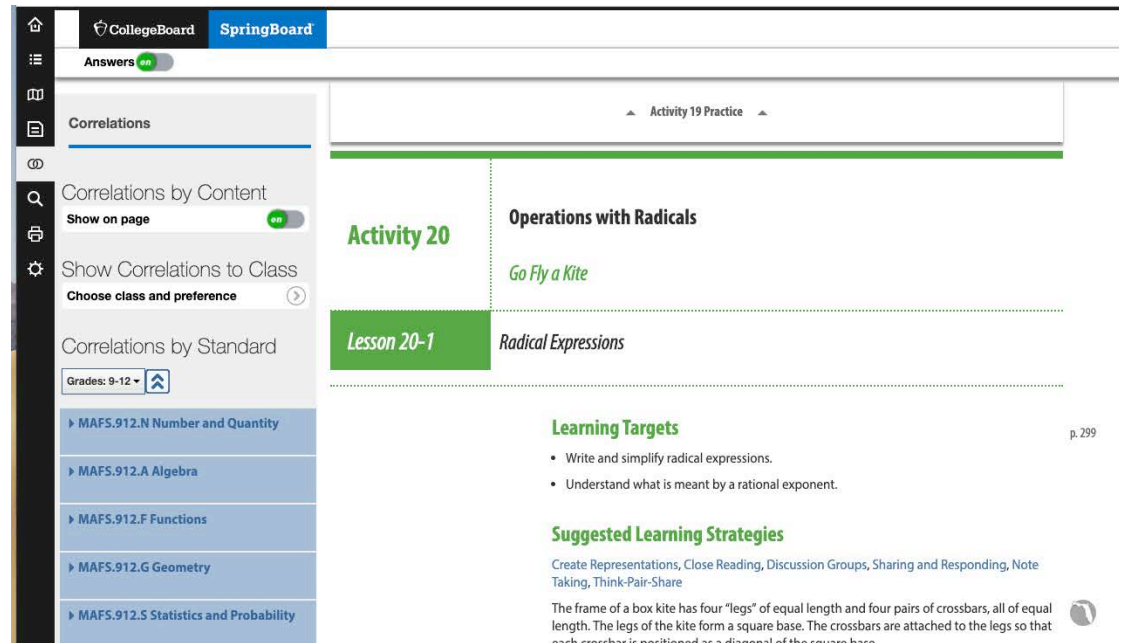
- Bell-Ringer Activity**
- Write the equation $-4x + 5 = -2x - 1$ on the board. Have students discuss the steps they would use to solve this equation. Use the discussion as an opportunity to review the properties of equality before students begin working with the properties of inequality in this lesson.
- 1–4 Marking the Text, Create Representations, Guess and Check, Activating Prior Knowledge, Debriefing**

eBook Correlations Viewer

Teachers can find correlations to standards instantly with the correlations viewer.

Correlations can be found through search features or at point of use.

- 1 Open the correlations viewer by clicking the  icon.
- 2 Select a standard.
- 3 Click on the page in the text to view the aligned content.



CollegeBoard SpringBoard

Answers **on**

Activity 19 Practice

Activity 20 Operations with Radicals

Go Fly a Kite

Lesson 20-1 Radical Expressions

Learning Targets

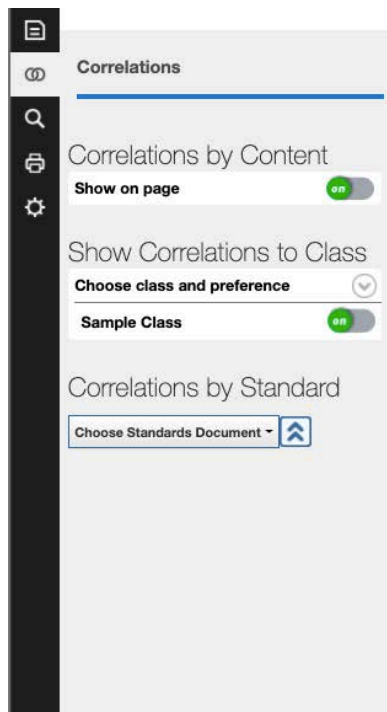
- Write and simplify radical expressions.
- Understand what is meant by a rational exponent.

Suggested Learning Strategies

Create Representations, Close Reading, Discussion Groups, Sharing and Responding, Note Taking, Think-Pair-Share

The frame of a box kite has four "legs" of equal length and four pairs of crossbars, all of equal length. The legs of the kite form a square base. The crossbars are attached to the legs so that each crossbar is positioned as a diagonal of the square base.

p. 299



Correlations

Correlations by Content

Show on page **on**

Show Correlations to Class

Choose class and preference

Sample Class **on**

Correlations by Standard

Choose Standards Document

Math Tip

You know that the distance from t to 82°F on a thermometer is 4.5°F . This distance can be modeled with the absolute value expression $|t - 82|$.

CC CCSS.Math.Content.HSA-CED.A.1 Create equations and inequalities in one variable and use them to solve problems.

CC CCSS.Math.Content.HSA-CED.A.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.

Example B

The temperature of the wave pool at Sapphire Island can vary up to 4.5°F from the target temperature of 82°F . Write and solve an absolute value equation to find the temperature extremes of the wave pool. (The temperature extremes are the least and greatest possible temperatures.)

Step 1: Write an absolute value equation to represent the situation.

Let t represent the temperature extremes of the wave pool in degrees Fahrenheit.

$$|t - 82| = 4.5$$

Step 2: Use the definition of absolute value to solve for t .

$$|t - 82| = 4.5$$

$$t - 82 = 4.5 \quad \text{or} \quad t - 82 = -4.5$$

$$t = 86.5 \quad \text{or} \quad t = 77.5$$

Solution: The greatest possible temperature of the wave pool is 86.5°F , and the least possible temperature is 77.5°F . Both of these temperatures are 4.5°F from the target temperature of 82°F .

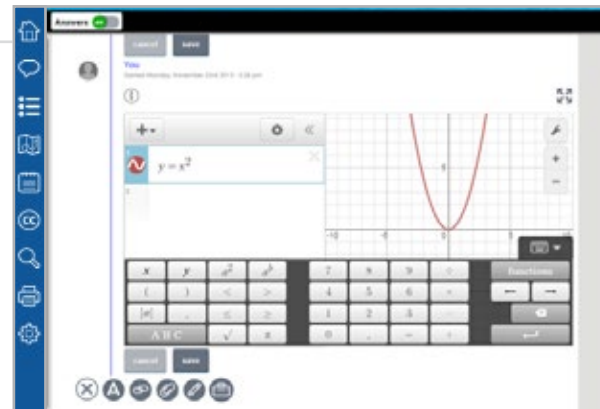
- You may also view standards on each page throughout the eBook.
- In the correlations viewer, under correlations by content, toggle "show on page" to "on."
- You will now see "CC" icons throughout the eBook. Click them to view the correlated standards.

eBook Smart Tools

SpringBoard Digital's smart tools promote deep engagement with content.

Math Smart Tools

Students have access to powerful interactive software that enhances the mathematics classroom experience, including Desmos calculators and GeoGebra applications.



Marking the Text


Highlight, annotate, and add metacognitive markers in both the Student and Teacher Editions by selecting text and choosing from the menu of options that appears.

Equation Editor

Students can write mathematics using precise mathematical symbols and notation.

$$\frac{x^2 + 10x - 7}{x^2 - 4}$$

Lesson 5-1 Multiply by Fractions


grid 

grid | (grid) | noun

- noun A framework of crisscrossed or parallel bars; a grating or mesh.
- noun A cooking surface of parallel metal bars; a gridiron.
- noun Something resembling a framework of crisscrossed parallel bars, as in rigidity or organization: The city's streets form a grid.

Powered by **wordnik**

Model with mathematics. The **grid** represents the whole number 1. The first fraction is $\frac{2}{3}$, so divide the length of the rectangle into five equal columns and shade two of the columns. The second fraction is $\frac{2}{3}$, so divide the height of the rectangle into three equal rows and shade two of the rows.



Vocabulary Defined— at Point of Use

- Audio Pronunciations in English and Spanish.
- Select any word and click “**Define.**”

Lesson 5-2 Multiply Mixed Numbers

Learning Targets

- Multiply mixed numbers by fractions, whole numbers, and other mixed numbers.
- Estimate products involving mixed numbers.

Suggested Learning Strategies

Paraphrasing, Visualization, Think-Pair-Share, Sharing and Responding, Identify a Subtask

The method for multiplying mixed numbers is similar to the method for multiplying fractions.

Example A

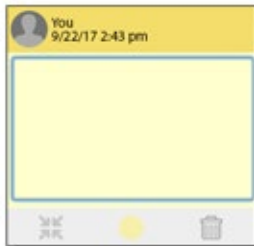
For his birthday, Buddy wants a skateboard $9\frac{2}{3}$ times the length of his $2\frac{1}{2}$ -inch-long model skateboard. How long is the skateboard he wants?

Step 1: Determine the operation to use.

Multiply: $9\frac{2}{3} \times 2\frac{1}{2}$

Step 2: Estimate the product to the nearest whole number.

$10 \times 3 = 30$ inches



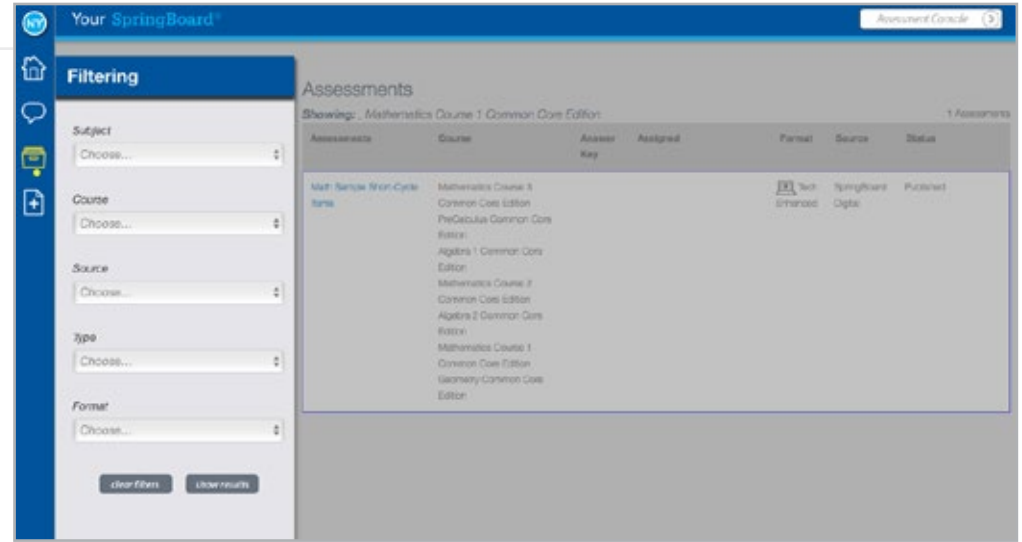
Sticky Notes

Click anywhere in the text and select “**Sticky Note**” to add comments to the text.

Assessments

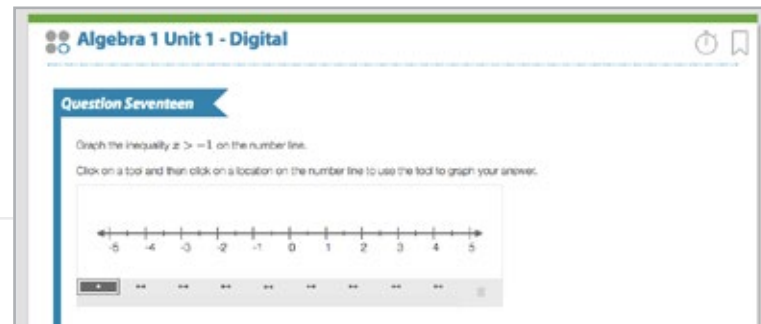
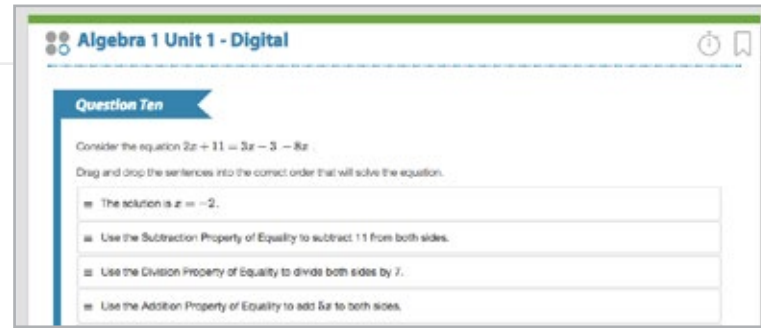
Access to a variety of assessment types provides teachers with the flexibility they need to assess student progress toward mastery.

- Select the appropriate filters to find relevant assessments; click an assessment and select **"Preview"** to view it.
- Click the **"+"** in the left navigation to view the item bank and build a custom assessment.



Assessment Types:

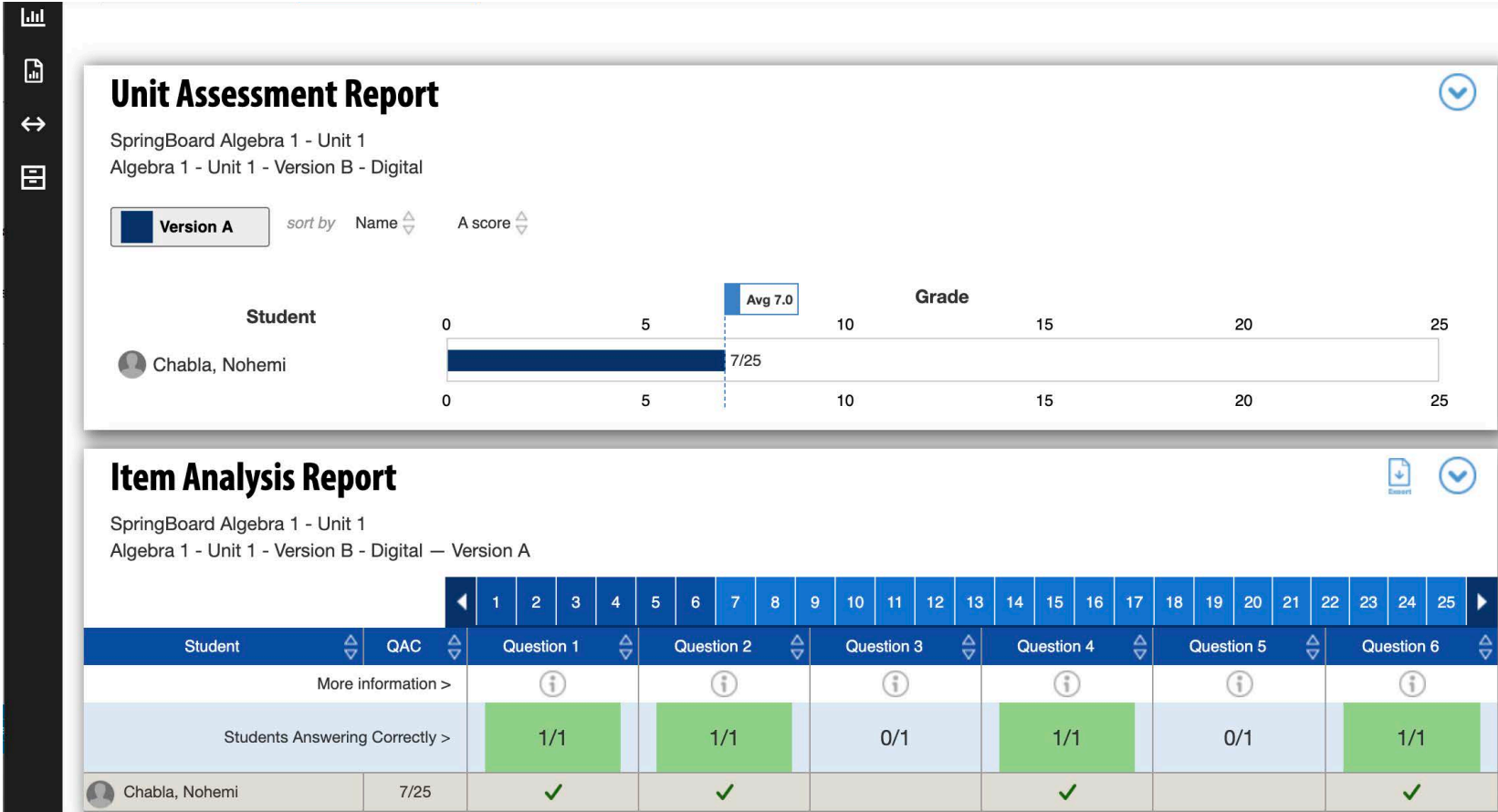
- End-of-Unit
- Lesson/Activity (Short-Cycle)
- Custom (Assessment Builder)



Tech-Enhanced Items

Progress Reports

Access to end-of-unit assessments and activity quizzes provides teachers with the flexibility they need to assess student progress toward mastery.



System Requirements

SpringBoard Digital System Requirements

System Compatibility Requirements and Accessibility Tools

SpringBoard is committed to designing a digital learning experience that's accessible for all users, including those with disabilities. Every student who experiences SpringBoard Digital should be able to achieve success, and as such, we'll continually improve this experience. For an optimal experience, we recommend using the following assistive device, browser, and operating system combinations with SpringBoard Digital.

Supported Operating Systems and Web Browsers

Operating System	Browser (Latest Version)	Screen Reader Combinations
ChromeOS	Chrome	ChromeVox
Windows® 10	Chrome/Firefox	NVDA
Windows 10	Chrome/Firefox	JAWS
Mac® OSX	Safari or Chrome	VoiceOver
iOS 11 and 12	Safari	VoiceOver

■ Recommended (continually tested to ensure compatibility)

■ Supported Combination (committed to supporting compatibility)

Browser Settings

SpringBoard Digital requires the following settings for the web browser:

- JavaScript must be enabled.
- Cookies must be enabled.

Adobe Acrobat Reader

SpringBoard Digital requires Adobe Acrobat Reader DC to view and print Adobe Portable Document Format (PDF) files.

- See: get.adobe.com/reader/

