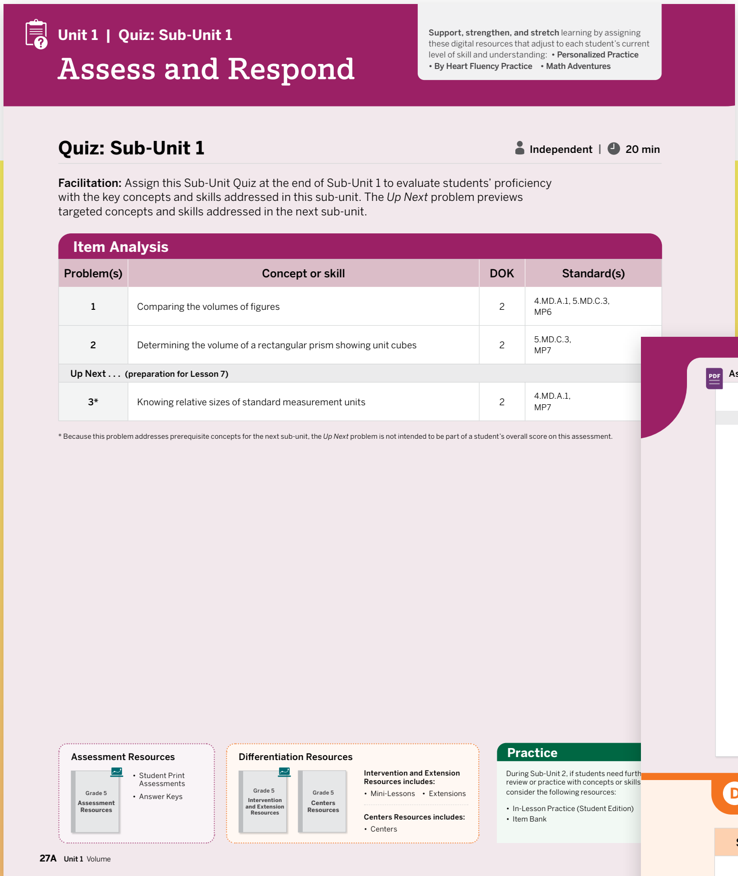
Robust assessments drive learning and inform instruction.

A variety of performance data in Amplify Desmos Math provides evidence of student learning while helping students bolster their skills and understanding.

Throughout lessons, units, and the entire program, you'll find summative and formative assessments meant to provide insights into students' conceptual understandings. Student learning is never a surprise at the end of a unit—with Amplify Desmos Math, understanding is made continually visible.



Unit 1 | Quiz: Sub-Unit 1

Assess and Respond

Support, strengthen, and stretch learning by assigning these digital resources that adjust to each student's current level of skill and understanding: • **Personalized Practice** • **By Heart Fluency Practice** • **Math Adventures**

Quiz: Sub-Unit 1

Independent | 20 min

Facilitation: Assign this Sub-Unit Quiz at the end of Sub-Unit 1 to evaluate students' proficiency with the key concepts and skills addressed in this sub-unit. The *Up Next* problem previews targeted concepts and skills addressed in the next sub-unit.

Item Analysis

Problem(s)	Concept or skill	DOK	Standard(s)
1	Comparing the volumes of figures	2	4.MD.A.1, 5.MD.C.3, MP6
2	Determining the volume of a rectangular prism showing unit cubes	2	5.MD.C.3, MP7
Up Next . . . (preparation for Lesson 7)			
3*	Knowing relative sizes of standard measurement units	2	4.MD.A.1, MP7

* Because this problem addresses prerequisite concepts for the next sub-unit, the *Up Next* problem is not intended to be part of a student's overall score on this assessment.

Assessment Resources

Grade 5 Assessment Resources

- Student Print Assessments
- Answer Keys

Differentiation Resources

Grade 5 Intervention and Extension Resources

Grade 5 Centers Resources

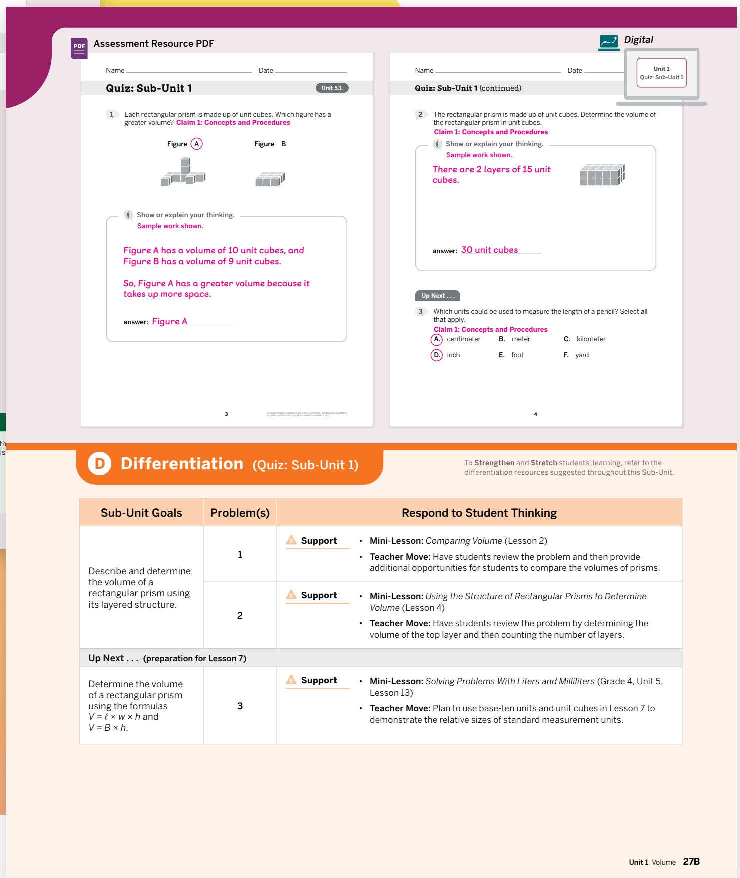
Intervention and Extension Resources includes:
- Mini-Lessons
- Extensions

Centers Resources includes:
- Centers

Practice

During Sub-Unit 2, if students need furth review or practice with concepts or skills consider the following resources:
- In-Lesson Practice (Student Edition)
- Item Bank

27A Unit 1 Volume



Assessment Resource PDF

Digital

Unit 1 Quiz: Sub-Unit 1

Name ______ Date ______

Quiz: Sub-Unit 1 Unit 5.1

1 Each rectangular prism is made up of unit cubes. Which figure has a greater volume? **Claim 1: Concepts and Procedures**

Figure A Figure B

Show or explain your thinking.
Sample work shown.
Figure A has a volume of 10 unit cubes, and Figure B has a volume of 9 unit cubes.
So, Figure A has a greater volume because it takes up more space.
answer: Figure A

3

Name ______ Date ______

Quiz: Sub-Unit 1 (continued)

2 The rectangular prism is made up of unit cubes. Determine the volume of the rectangular prism in unit cubes.
Claim 1: Concepts and Procedures
Show or explain your thinking.
Sample work shown.
There are 2 layers of 15 unit cubes.
answer: 30 unit cubes

Up Next . . .

3 Which units could be used to measure the length of a pencil? Select all that apply.
Claim 1: Concepts and Procedures
A. centimeter B. meter C. kilometer
D. inch E. foot F. yard

4

D Differentiation (Quiz: Sub-Unit 1)

To **Strengthen** and **Stretch** students' learning, refer to the differentiation resources suggested throughout this Sub-Unit.

Sub-Unit Goals	Problem(s)	Respond to Student Thinking
Describe and determine the volume of a rectangular prism using its layered structure.	1	**Support** • **Mini-Lesson:** *Comparing Volume* (Lesson 2) • **Teacher Move:** Have students review the problem and then provide additional opportunities for students to compare the volumes of prisms.
	2	**Support** • **Mini-Lesson:** *Using the Structure of Rectangular Prisms to Determine Volume* (Lesson 4) • **Teacher Move:** Have students review the problem by determining the volume of the top layer and then counting the number of layers.
Up Next . . . (preparation for Lesson 7)		
Determine the volume of a rectangular prism using the formulas $V = \ell \times w \times h$ and $V = B \times h$.	3	**Support** • **Mini-Lesson:** *Solving Problems With Liters and Milliliters* (Grade 4, Unit 5, Lesson 13) • **Teacher Move:** Plan to use base-ten units and unit cubes in Lesson 7 to demonstrate the relative sizes of standard measurement units.

Unit 1 Volume 27B

Unit-level assessments

Our embedded unit assessments offer key insights into students' conceptual understanding of math. These assessments provide regular, actionable information about how students are thinking about and processing math, with both auto-scoring and in-depth rubrics that help teachers anticipate and respond to students' learning needs.

Pre-Unit Check (grades 2–A1)

Each unit begins with an assessment designed to identify the student skills that will be particularly relevant to the upcoming unit. This check is agnostic to the standards covered in the following unit and serves not as a deficit-based acknowledgment of what students do not know, but rather as an affirmation of the knowledge and skills with which students come in.

End-of-Unit Assessment

Students engage with rigorous grade-level mathematics through a variety of formats and tasks in the End-of-Unit Assessment. A combination of autoscored and rubric-scored items provide deep insights into student thinking. All Amplify Desmos Math End-of-Unit Assessments include two forms.

Sub-Unit Quizzes (grades 1–A1)

With regular Sub-Unit Quizzes, student understanding never comes as an end-of-unit surprise. In these checks, students are assessed on a subset of conceptual understandings from the unit, with rubrics that help illuminate students' current understanding and provide guidance for responding to student thinking.

Sub-Unit Checklists (grades K–1)

These checklists enable teachers to observe key skills and concepts that cannot be assessed on a pencil-and-paper assessment. The checklists outline the supports students need to get where they need to go.

Lesson-level assessments

Amplify Desmos Math lessons are centered around sense-making and in-the-moment feedback. Daily moments of assessment provide valuable evidence of learning for both the teacher and student.

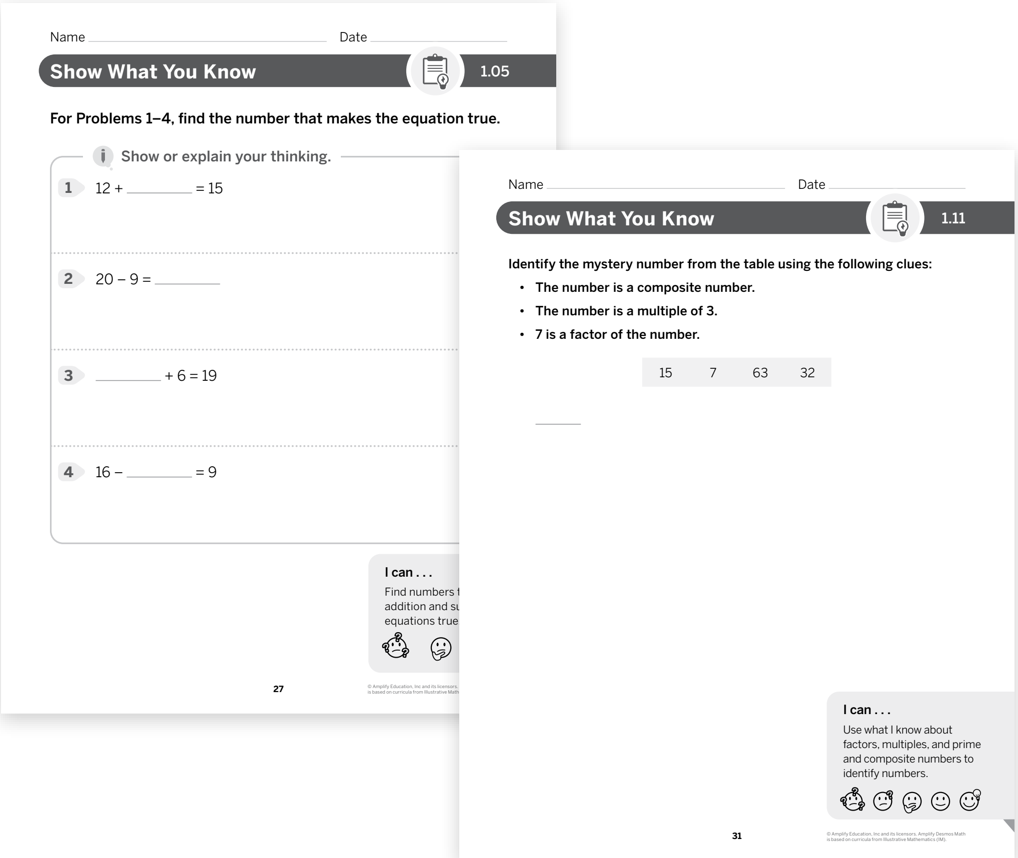
Responsive Feedback

We harness the power of digital math and graphing tools to show students the meaning of their thinking in context. Teachers have the ability to see and provide in-the-moment feedback as students progress through a lesson. Responsive Feedback motivates students and engages them in the learning process.

Show What You Know

Each lesson has a daily formative assessment focused on one of the key concepts in the lesson. Show What You Know moments are carefully designed to minimize the time students take to complete while maximizing the insight the teacher receives on a daily basis to attend to student needs during the following class. *Show What You Know is optional in grades K–1*.

Beginning in grade 2, all unit-level and lesson-level assessments can be completed digitally.


Name Date

Show What You Know 1.05

For Problems 1–4, find the number that makes the equation true.

Show or explain your thinking.

1 12 + ______ = 15

2 20 – 9 = ______

3 ______ + 6 = 19

4 16 – ______ = 9

I can . . .

Find numbers t... addition and su... equations true

27

Name Date

Show What You Know 1.11

Identify the mystery number from the table using the following clues:

- **The number is a composite number.**
- **The number is a multiple of 3.**
- **7 is a factor of the number.**

15	7	63	32

______

I can . . .

Use what I know about factors, multiples, and prime and composite numbers to identify numbers.

31

Show What You Know example pages for grades 2 and 4.