

enVision[®] Mathematics

Kids See the Math. Teachers See Results.

Support for English language learners is embedded directly into instruction, print and digitally, throughout every lesson.

Levels of English Language Proficiency

Support for English language learners aligns to the five levels of proficiency outlined by WIDA[™] (World-Class Instructional Design and Assessment): Entering, Emerging, Developing, Expanding, and Bridging.

Language Support

Lesson Language Objective

Describe what a graph of a proportional relationship looks like and tell how to use a graph to tell if quantities are proportional.

Additional resources are available in the [Language Support Handbook](#).

Lesson Language Objective

Each lesson suggests how students can demonstrate their understanding of the math content through language modalities.

Solve & Discuss It!/ Explore It!/Explain It!

Introduce concepts through a problem-solving experience. Facilitate rich classroom conversations that promote a growth mindset and result in deeper conceptual understanding.

Visual Learning Example

Visual models give meaning to math language and are organized into steps.



English Language Learners

EMERGING Complete Example 2.

Q: How many miles does Mr. Brown drive in one hour? Why is this called a unit rate? Elicit prior knowledge as students discuss unit rates and the connection to the constant of proportionality.

Q: Choose several points on the line and show how these points can be used to write ratios equivalent to $\frac{55}{1}$. [Sample answer: $\frac{55}{1} = \frac{110}{2} = \frac{165}{3}$] Review with students the various ways they have found the constant of proportionality.

DEVELOPING Complete Example 2.

Q: List 3 points shown on the graph that are not listed in Example 2 part (a). Discuss with a partner how you can use any of these points to find the unit rate. [Listen to student discussions, modeling correct use of vocabulary terms.]

Q: How can you use the unit rate to find the constant of proportionality? [Sample answer: The value of the unit rate is also called the constant of proportionality.]

Q: What is another way to find the constant of proportionality on a graph? [Sample answer: Find the y-coordinate when x = 1.]

EXPANDING Complete Example 2.

Q: Name the unit rate and the constant of proportionality in this example. What is the difference between these terms? [55 miles per hour, 55; Sample answer: The unit rate has the same value as the constant of proportionality, but a rate includes 2 different units such as miles and hours.]

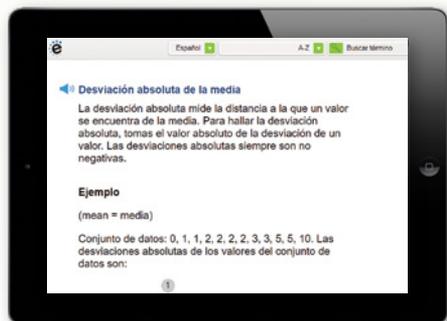
Q: With a partner, take turns describing the constant of proportionality, equivalent ratios, and unit rate.

Visual Learning Animation Plus

Short animations for each lesson help reduce language barriers. Questions that are read aloud also appear on-screen to help English language learners connect oral and written language.

Animated Glossary

An animated glossary is available on Savvas Realize[™]. Motion and sound help communicate meanings of math terms. The glossary connects Spanish math terms to the English equivalents.



MathXL for School: Practice & Problem Solving, Additional Practice, and Enrichment

Support a growth mindset by empowering English language learners to choose the learning aids they need to work through the problem successfully. Auto-scored.

Student's Edition Realize Reader

Downloadable for offline work, this digital eText allows students to highlight and annotate. Compatibility with Google Translate[™] allows students to see their text in hundreds of other languages.



Language Support Handbook – Print and Online

This grade-level teacher resource supports the Council of Great City Schools Key Areas of Instructional Practice¹. Promote language modalities for all students – those learning a new mathematical language, writers and readers below grade level, and English language learners.

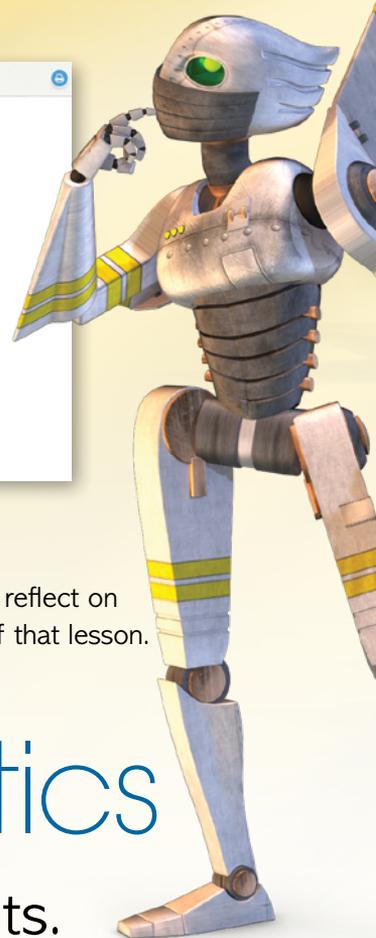
¹Council of the Great City Schools (2016). *A Framework for Re-envisioning Mathematics Instruction for English Language Learners*. Washington D.C.

Academic Vocabulary Activities Online

To support the development of academic vocabulary, online academic vocabulary activities have read-aloud functionality and ask students to engage with the meaning of the word.

Lesson Self-Assessments Online

The Lesson Self-Assessments encourage students to reflect on their understanding of the math and language goals of that lesson.



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