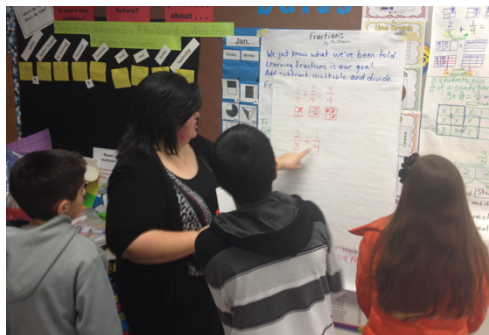


# What can we do to reach ELL students in mathematics classrooms? How might these suggestions benefit all learners?

Adapted from NCTM blog at <https://my.nctm.org/blogs/evgeny-milyutin/2018/02/27/how-do-we-support-english-learners-success-in-math>

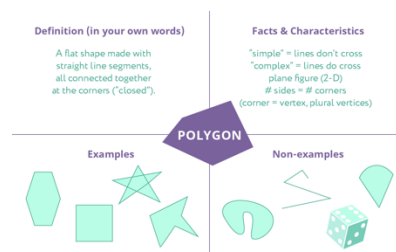
By Evgeny Milyutin and Lisa Meyer



1. Front-load mathematics vocabulary. Introduce vocabulary before lessons, so that ELLs have access to and can build understanding of the math language. Be aware of multiple meaning words that cause confusion for language learners: “Draw a table. Make up a word problem. Show the translation of the figure”.

2. Provide multiple representations of mathematics concepts. Support ELL students by modeling, creating visuals, describing with words, symbols, or numbers. Chart key vocabulary and examples with students. Leave these anchor-charts up so you and the students can refer back to them.

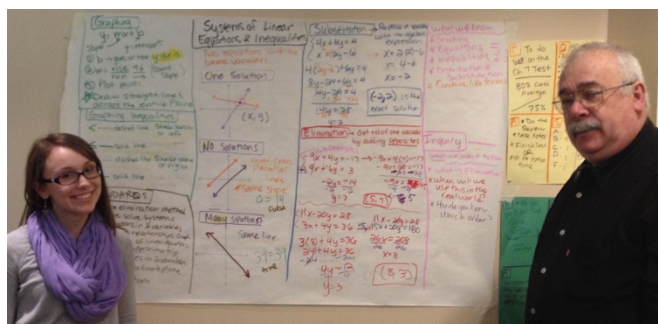
3. Encourage ELL students to represent their understanding with multiple representations. A Frayer Model or a Four Square Model for solving word problems are examples of such support tools.

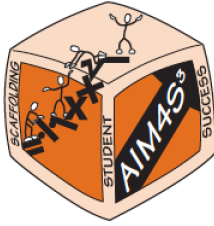


4. Expect all students to participate in math. Provide supports such as sentence stems, think-pair-shares, intentional groupings for cooperative learning activities, and guided math groups so ELLs can be successful.

5. Build on language and concepts that students already have. Observe students to see what they have learned in their language (understanding of place value, strategies for multiplying/dividing, or the names of geometric figures).

*How else can we support ELLs in the math classroom?*





## Walk a Mile in the Shoes of Your ELLs: Reflection Journal

| <i>How are you feeling?</i> | <i>What is supporting your learning?</i> | <i>Other observations/ reflections</i> |
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