

## Frayer Vocabulary Model - Understanding Word Problems

Dunstan, P. J. & Tyminski, A. M. (2012). What's the big deal about vocabulary? *Mathematics Teaching in the Middle School* 19(1), 38-45

Frayer, D. A., Frederick, W. C., & Klausmeier D. H. (1969). A schema for testing the level of cognitive mastery. Working paper No. 16. Wisconsin Research and Development Center. Madison: University of Wisconsin.

**This targeted intervention uses a concept map to enable a student to make relational connections with math vocabulary words.**

### Materials:

- Frayer Vocabulary Model concept map
- Math Vocabulary Terms and Definitions

### Steps:

1. The teacher identifies the concept/vocabulary word.
2. Using the concept map, the student places the concept/vocabulary word in the center.
3. The student(s) uses their own words to write the word's definition on the concept map.
4. The student(s) list characteristics of the word on the concept map.
5. The student(s) then lists or draws pictures of examples and non-examples of the word on the concept map.