

Draw-Talk-Write-Symbolize

Introducing a New Topic

- Ask students to draw a model of the problem and use the model to solve it
 - A model does not always have to be a drawing of an object
- They should then describe their model and process to a partner. This work should prepare them for a written description.
- Using their partner talk, students should summarize and write about their process for solving
- Students should create a symbolic representation that matches their model

Transitioning to a More Sophisticated Strategy or Different Model

- Ask students to do several DTWS representing different ways to solve the problem

Solidifying Connections between Concrete and Abstract Representations

- Students complete a DTWS with a problem they already know how to solve
- They should complete the category they are most comfortable with first (e.g. solving equations symbolically) then move to the less comfortable categories (e.g. a model for solving equations such as balances)