

## Problem-Solving Strategy – STAR

Peltier, C. & Vannest, K. J. (2016). Utilizing the STAR strategy to improve the mathematical problem-solving abilities of students with an emotional or behavioral disorders. *Beyond Behavior*, 26 (1).

**This targeted intervention uses the mnemonic, STAR, and incorporates using concrete models, drawing pictures, or writing equations to help students solve word problems.**

### Materials:

- Word problems
- Laminated STAR procedure for the student(s):
  - Search the word problem.
  - Translate the problem into pictures or equations.
  - Answer the problem.
  - Review the solution.

### Steps:

1. The teacher models and teaches the STAR procedure.
2. The teacher and student(s) read the problem together. The teacher paraphrases the problem.
3. The student(s) carefully reread the word problem (Search the word problem).
4. The student(s) model the scenario using concrete objects, pictures, or equations to choose the appropriate operation (Translate the problem into pictures or equations).
5. The student(s) look at the concrete objects, the pictorial representation, or the equation to answer the problem (Answer the problem).
6. The student(s) check the answer to make sure it is reasonable and answers the given question (Review the solution.)