

School-Based Intervention Idea from [www.interventioncentral.org](http://www.interventioncentral.org)



Focus: MATHEMATICS

## Math Computation: Motivate With 'Errorless Learning' Worksheets *(Caron, 2007)*

Reluctant students can be motivated to practice math number problems to build computational fluency when given worksheets that include an answer key (number problems with correct answers) displayed at the top of the page.

In this version of an 'errorless learning' approach, the student is directed to complete math facts as quickly as possible. If the student comes to a number problem that he or she cannot solve, the student is encouraged to locate the problem and its correct answer in the key at the top of the page and write it in. Such speed drills build computational fluency while promoting students' ability to visualize and to use a mental number line. TIP: Consider turning this activity into a 'speed drill'. The student is given a kitchen timer and instructed to set the timer for a predetermined span of time (e.g., 2 minutes) for each drill. The student completes as many problems as possible before the timer rings. The student then graphs the number of problems correctly computed each day on a time-series graph, attempting to better his or her previous score.

### *References*

Caron, T. A. (2007). Learning multiplication the easy way. *The Clearing House*, 80, 278-282.

Copyright ©2008 Jim Wright