

Boosting Fluency Using Explicit Time-Drills

Woodward, J. (2006). Developing automaticity in multiplication facts: Integrating strategy instruction with timed practice drills. *Learning Disability Quarterly*. 29(4), 269-289.

This targeted intervention helps students build fluency with basic facts and computation.

Materials:

- Math Facts Worksheet
- Timer

Steps:

1. The teacher provides the student with a math facts worksheet containing either multiplication, division, addition, or subtraction basic facts.
2. The teacher tells the student that they will have three minutes to work on the problems on the worksheet.
3. The teacher starts the timer.
4. At the end of the first minute, the teacher stops the timer and asks the student to stop working.
5. The student underlines the last number written on the worksheet.
6. The teacher starts the timer again.
7. At the end of the second minute, the teacher stops the timer and asks the student to stop working.
8. The student underlines the last number written on the worksheet.
9. The teacher starts the timer a third time.
10. At the conclusion of the third minute, the teacher collects the student worksheet.