

Intervention Manual

Zippping Around with Math Facts

Description of Intervention: Designed to improve the knowledge of basic addition math facts.

Intervention Goal: Improve the knowledge and speed of basic addition math facts.

Implementer Qualifications: None listed. Anyone trained to implement the intervention.

Progress Monitoring: A chart will be kept to monitor the student's rate of completion of a basic math facts assessment consisting of 20 problems and the number of errors. See attached chart.

Script:

1. Administer baseline by having the student complete a 20 problem addition math fact assessment and record the time and number of errors.
2. You will need a set of blank, 3" by 5" index cards, a stopwatch, copies of addition math facts tests with 20 problems on a test.
3. Draw a straight line on the index cards and write a problem on the bottom of one card and the answer on the top of the next card. The bottom of the last card will contain the problem and the answer to this problem would be at the top of the first card. No two problems should have the same answer.
4. The student is given 6-12 shuffled cards and told to complete the activity by matching up the bottom of one card with the answer to that problem on the top of the next card.
5. This intervention is repeated daily in the classroom for 10-20 minutes.
6. A progress monitoring assessment of 20 addition math facts is given to the student after the intervention and the time and number of errors are recorded on the chart.

Treatment Integrity: Measured by self-report, completed by person implementing intervention after each day. See attached.

References:

May, L. J. (1999). 'Zippping Around' with math facts. *Teaching PreK-8*, 30(1), 36.

Support for Intervention:

Burns, M. K. (2004). Empirical analysis of drill ratio research: Refining the instructional level for drill tasks. *Remedial and Special Education*, 25, 167-175.

Treatment Integrity

This should be filled out each day following the implementation of the intervention.

Item	Completed	Not Completed
1. I implemented the intervention today.		
2. I gave the student the 6-12 shuffled cards and explained the activity.		
3. I repeated this for 10-20 minutes.		
4. I gave the student the addition facts assessment.		
5. I recorded the time it took to complete the assessment.		
6. I recorded the number of errors on the chart.		