
Number Writing Fluency

Target Behavior

Number Writing Fluency was designed to be used with both individuals and groups of students who need to develop the skills to communicate in mathematics through written expression of numerals. Students will also expand on the math related vocabulary necessary to perform and describe mathematical tasks across contexts and within the classroom curriculum. Students will demonstrate their knowledge of numbers through writing.

Materials

Number Writing Fluency Student Training Protocol
Number Writing Fluency Treatment Integrity Protocol
Number Writing Fluency Intervention Probes
Pencil

Number Writing Fluency Procedures: Student

1. Student looks at the Number Writing Fluency protocol and identifies the numeral.
2. Student writes each number accurately as quickly as they can. Student is timed.

Number Writing Fluency Procedures: Teacher

1. Teacher training: Read MIND: EN packet.
2. Obtain Number Writing Fluency probes.
3. Give student the Number Writing Fluency probes. Provide student with procedural feedback as needed, collect completed probe, provide student with feedback on performance.

Number Writing Fluency: Student Training Protocol

Use this to train student on how to use the Number Writing Fluency procedures. Modify for student's specific skill deficits. The steps are as follows:

1. Pass out the Number Writing Fluency probes to students and instruct them to write their names and date at the top of the paper.

2. Read the following directions:

“Today you are going to be writing numbers as quickly as you can. Look at these numbers at the top of the page (point). Now write this number (point) down here (point). Repeat that for numbers 0-9 (point across the row) and then repeat on the next row. Do you have any questions?”

(Complete the first row with the student to ensure comprehension of task as some students will try to continue into 11, 12, etc.).

Correction if needed:

“When you write the number, it needs to be inside the box (point).”

If student mis-writes a number correct them.

3. “You will have one minute to write as many numbers as you can. Do your best. If there is a number you do not know how to write just put a line and we will move on to the next number.”

4. Start timer for one minute. When the timer goes off instruct the student to stop.

5. Repeat as necessary until students can independently complete the probe.

This training script is generally successful for a majority of students. As you are reading the directions, cycle through the room to check for adherence to the protocol. Also, point out students who are doing the steps correctly and provide behavior specific praise for correctly implementing the steps.

Number Writing Fluency: Treatment Integrity Protocol

This is to be used by teachers when they are implementing the Number Writing Fluency procedure. It is meant to ensure adherence to treatment and should be used when administering Number Writing Fluency.

Student(s): _____ Date: _____ Start/End Time: _____

Materials

Required:

- Number Writing Fluency Protocol
- Integrity Protocol
- Pencil

Intervention Procedures

1. Document date, start time and end time.
2. Pass out the Number Writing Fluency probe to students and have them put their name and date at the top of the page. Read the student training protocol script. After students have demonstrated independent functioning on the intervention the directions can be overviewed and shortened.
3. Provide behavior specific praise to students who are adhering to the procedure.
4. Provide corrective feedback when necessary.
5. At the end: Inform student of their progress, offer verbal praise and present tangible reinforcement if used for student's intervention.

Number Writing Fluency

Overall Practice: Beginner

Name: _____

Date: _____

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Number Writing Fluency

Overall Practice: Intermediate

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Date: _____

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