

MATH NUMBER CHALLENGE

Assessment Ideas for ADHD Students

Purpose

Alternative assessment ideas for the Math Number Challenge lesson (two signed number videos with an operator between them), designed to help students with ADHD demonstrate comprehension and calculation skill without the barriers of a traditional written test.

A Note on This Lesson

This activity asks a lot of sustained attention at once: watching two separate number videos, holding both numbers in working memory, tracking the operator, and then calculating. For students with ADHD, build in pause/replay options and reduce reliance on writing the final answer, so the assessment measures math and comprehension — not attention stamina.

Point

- After the video challenge, show 3–4 numeral answer cards; student points to the correct answer
- Point to the correct operator symbol (+, −, ×, ÷) shown between the two number videos

Match

- Match a completed video challenge to its correct answer numeral card
- Memory/concentration game — match a problem card to its answer card

Teacher Observation

- Whole-group rounds where students hold up a numeral card or use a hand signal to show their answer
- Checklist noting whether a student catches both numbers and the operator, or needs a replay
- Track patterns — e.g., consistently missing the second number or the operator symbol

One-on-One

- Present the challenge individually so the student can pause and replay without whole-group pressure
- Student signs or shows the answer directly to the teacher rather than writing it down

Video

- Student watches the challenge at their own pace, then records themselves signing the answer
- Lets the teacher review at any time and lets the student retake if they lose track partway through

Partner

- One partner controls video playback while the other signs the answer, then switch roles
- Partners watch together and discuss to reach an agreed answer, each demonstrating understanding

Remember

The goal is to see whether a student can comprehend signed numbers and calculate correctly — not to test how well they can track two videos back-to-back without a pause. Build in replay time before measuring the math itself.