

Math Fact Automaticity Interview

Student:		Date:	
Fact Set:		Score:	
Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:
Fact:	Fact:	Fact:	Fact:
Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:
Fact:	Fact:	Fact:	Fact:
Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:
Fact:	Fact:	Fact:	Fact:
Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:	Automatic (2)____ Strategy (1)____ Unknown (0)____ Note:
Fact:	Fact:	Fact:	Fact:
18-20 points: Student demonstrates automaticity of the fact set.			
12-17 points: Student demonstrates some automaticity and strategies for finding facts. Further practice is needed.			
0-11 points: Student demonstrates challenges with basic facts. Reteaching and practice is needed.			

Directions for Administering Math Fact Automaticity Interview

- Choose ten fact cards for a fact set.
- Randomly present each fact to a student.
- Record the fact in each box.
- Mark students who respond to the fact in four seconds, or less, as automatic.
- Mark students who respond in more than four seconds as "Strategy." *Note:* The teacher may want to ask the student how he or she arrived at the correct answer and record response in the Note section of the form.
- Mark students who give incorrect answers or say that they don't know the fact as "Unknown."
- Total points. Automatic responses earn 2 points. Strategy responses earn 1 point. Unknown responses earn 0 points.

Thoughts About Interviews

- Other students in the class can be working on independent tasks or playing fact games while the teacher administers interviews.
- Interviews may be a good additional data point for students who struggle with quick fact checks or other more formal assessments.
- Four or fewer seconds is recommended for automatic responses. This time can be adjusted. A stopwatch or timer is not necessary. The teacher can simply count in his or her head.
- Notes are optional. It can be helpful to record how a student thinks about a fact or set of facts in order to adjust instruction or practice. Insight into misconceptions may also be revealed. Notes do not need to be formal.
- Notes are not recommended for automatic facts. This is because automaticity is the goal rather than strategy application. Once automatic, students may have little to share other than "I just know it."